

# NSi

## Electrical Catalog 2010



## *About Us*

Serving the Commercial and Industrial sector since 1980, through a nationwide network of over 5,000 electrical distributors and recently several regional retail locations, NSi Industries, LLC is regarded as a leading innovator and manufacturer of connectors and wire management products.

In 2007, NSi acquired the TORK® brand and its full line of time switches and controls. TORK® brought with it a rich history and reputation for quality. The strength of our brand is in the unique products that we bring to the market, combined with our exceptional ability to provide quality products proudly manufactured in the USA!

We maintain inventories at levels conducive to complete on-time deliveries and have earned reputable status for our same-day delivery program. We aim to keep our policies customer-friendly and strive to offer extraordinary service on a daily basis.

NSi Industries is made up of a team of individuals who love our products and our company. We enjoy coming to work every day to provide excellent service and to make it easy on our distributors.

From the NSi Team to you,  
*Happy Selling and thank you for supporting us*



**NSi Industries, LLC**  
**Electrical Products Division** Est. 1980

# TABLE OF CONTENTS

## CONNECTORS

LUGS: SINGLE, DOUBLE, PANELBOARD & STACKED . . . . .	12, 13
LUGS: SINGLE & DOUBLE SOLDERLESS. . . . .	23
LUGS: S-TYPE COPPER. . . . .	24
LUGS: COPPER & CAST BRONZE	
TERMINAL LUGS . . . . .	25
LUGS: ALUMINUM LUGS & SPLICES 1, 2 HOLE. . . . .	28-29
LUGS: LONG BARREL STACKING COPPER . . . . .	46
LUGS: LONG BARREL COPPER . . . . .	44-45, 47-48
LUGS: PEEP HOLE COPPER. . . . .	49-51
LUGS: METER SOCKET LUGS. . . . .	35
LUGS: COMPRESSION FOR FLEX	
COPPER CABLE . . . . .	54-57
LUGS: STACKING ADAPTERS. . . . .	45
SPLICER REDUCER, LUG WITH TURN PREVENT . . . . .	14
LAY-IN CONNECTORS & DUAL RANGE LUGS . . . . .	15
PARALLEL (T-TAP) CONNECTORS & COVERS . . . . .	16
TRANSFORMER CONNECTORS . . . . .	17, 20
DUAL RATED TRANSFORMER LUGS. . . . .	18, 19
TRANSFORMER STUD CONNECTORS . . . . .	21
PARALLEL GROOVE CLAMPS. . . . .	22
SERVICE ENTRANCE CONNECTORS . . . . .	24
FLEXIBLE CABLE SLEEVES. . . . .	24
BRONZE EYEBOLT TERMINALS . . . . .	26
ALUMINUM WEDGE CLAMPS . . . . .	26
COPPER HOT LINE CLAMPS . . . . .	27
VISE GRIP CONNECTORS . . . . .	27
ALUMINUM COMPRESSION CONNECTORS	
& SPLICES . . . . .	30, 40-42
PIN TERMINALS . . . . .	31-32, 59
WIDE RANGE TAP CONNECTORS, SLEEVES. . . . .	33-36

PRE-INSULATED COMPRESSION SLEEVES . . . . .	35
UNDERGROUND TRANSFORMER TERMINALS . . . . .	43
TINNED COPPER SPLICES. . . . .	52-53
C-TAPS . . . . .	58
SPLIT BOLTS . . . . .	60-61
SERVICE POST CONNECTORS . . . . .	62
TAP CONNECTORS . . . . .	63
EASY-TAP™ INSULATION PIERCING CONNECTORS. . . . .	64
CONNECTOR-BLOKS™ . . . . .	65-67
TERMINAL BLOKS™ AND HARDWARE . . . . .	68-70
RAIL MOUNTED MODULAR TERMINAL BLOCKS. . . . .	71-72
DIN RAIL . . . . .	72
INSULATED TERMINAL BLOCKS . . . . .	73
NEUTRAL BARS & NEUTRAL ASSEMBLIES . . . . .	74-76
NM SPLICE & TAP CONNECTORS. . . . .	77
APPENDIX A: ALUMINUM DUAL-RATED CONNECTORS	
INSTALLATION INSTRUCTIONS . . . . .	81
APPENDIX B: COPPER COMPRESSION CONNECTORS	
INSTALLATION INSTRUCTIONS . . . . .	82

## POLARIS

INSUL-TAP CONNECTORS FOR TWO WIRES . . . . .	88
IN-LINE CONNECTORS FOR TWO WIRES . . . . .	88
POLARIS BLUE™ DB & SUBMERSIBLE IN-LINE	
CONNECTORS . . . . .	89
POLARIS BLUE™ DB & SUBMERSIBLE MULTI-CABLE	
CONNECTORS . . . . .	89
SUBMERSIBLE PEDESTAL CONNECTORS . . . . .	90
POLARIS GREY™ FOR FINE STRANDED AND FLEXIBLE	
COPPER WIRE . . . . .	92
INSULATED MULTI-CABLE CONNECTORS: ONE SIDE	

# TABLE OF CONTENTS

WIRE ENTRY .....	93, 94
INSULATED MULTI-CABLE CONNECTORS:	
EITHER SIDE WIRE ENTRY .....	95, 96
INSULATED STACKED CONNECTORS .....	96
HEAVY DUTY INSULATED & UNINSULATED MULTI-CABLE CONNECTORS .....	97
INSULATED MULTI-CABLE CONNECTORS:	
ONE SIDE WIRE ENTRY WITH MOUNTING HOLES ....	98
INSULATED MULTI-CABLE CONNECTORS: EITHER SIDE WIRE ENTRY WITH MOUNTING HOLES .....	99, 100
UNINSULATED MULTI-CABLE CONNECTOR BLOCKS .....	101, 102
APPENDIX A: HOW TO BUILD A CUSTOM POLARIS™ CONNECTOR .....	104

## SPLICING

EASY-SPLICE™ WRAP-AROUND GEL SPLICE KITS ...	107
EASY-SPLICE™ H TAP GEL SPLICE COVERS .....	107
EASY-SPLICE™ IN-LINE GEL & GEL TAP SPLICE KITS .	108
DIRECT BURIAL SPLICE KITS WITH HEAT SHRINK ...	109
CABLE TAP SPLICES .....	109
EASY-SPLICE™ DIRECT BURIAL ROLL-ON SPLICES. ...	110
EASY-SPLICE™ WRAP-AROUND UPF SPLICE KIT ....	110
HEAVY WALL HEAT SHRINK .....	111
DIRECT BURIAL SPLICE KITS WITH RUBBER COVER ..	112
SELF-SEALING UP SPLICE KITS .....	112
EASY-SPLICE™ DIRECT BURIAL ROLL-ON STUB KITS. 113	
EASY-SPLICE™ PUSH-ON GEL STUB SPLICE KITS ...	114
EASY-SPLICE™ GEL STUB SPLICE KITS FOR STREET LIGHTING .....	114
THIN WALL TUBING .....	115, 116
THIN & HEAVY WALL HEAT SHRINK KITS .....	117

HEAT SHRINKABLE END CAPS .....	117
HOT-MELT SEALANT SLEEVES .....	118

## EASY-TWIST™

DIVIDED COMBINATION PAILS .....	121
STANDARD TYPE TWIST-ON WIRE CONNECTORS ...	122
WINGED WIRE CONNECTORS .....	121, 123-124
N-TYPE WINGED WIRE CONNECTORS .....	124
GROUNDING CONNECTORS .....	124
HIGH TEMPERATURE TWIST-ON CONNECTORS .....	125
CRIMP SLEEVE WIRE CONNECTORS .....	125
NYLON CLOSED-END CONNECTORS .....	125
PUSH-IN WIRE CONNECTORS .....	127
CERAMIC WIRE CONNECTORS .....	128

## MINI TERMS

VINYL INSULATED SPADE TERMINALS .....	131
VINYL INSULATED RING TERMINALS .....	132
VINYL INSULATED FEMALE & MALE DISCONNECTS .....	133
VINYL INSULATED PIGGYBACKS & BUTT CONNECTORS .....	133
NYLON INSULATED SPADE TERMINALS .....	134
NYLON INSULATED RING TERMINALS .....	134
NYLON INSULATED FEMALE & MALE DISCONNECTS .....	135
NYLON INSULATED FEMALE & MALE PLUG DISCONNECTS .....	136
NYLON INSULATED BUTT CONNECTORS .....	136
NYLON INSULATED FEMALE SLEEVED BARRELS .....	136

# TABLE OF CONTENTS

FLAG TERMINALS .....	136
SHRINK TUBE BUTT CONNECTORS .....	137
UNINSULATED & INSULATED PIGGYBACKS .....	137
ALLIGATOR TEST CLIPS .....	137
VINYL INSULATED PIN TERMINALS .....	137
CLOSED END & PLIER TAP CONNECTORS .....	138
SHRINK-TUBE DISCONNECTS .....	138
2-WAY RECEPTACLE, VINYL INSULATED HOOKS.....	138
UNINSULATED FEMALE PLUGS & DISCONNECTS ....	139
UNINSULATED MALE PLUGS & DISCONNECTS.....	139
UNINSULATED RING TERMINALS .....	140
UNINSULATED SPADE TERMINALS & BUTT CONNECTORS .....	141
SPECIALTY CONNECTORS .....	142
HIGH TEMPERATURE FEMALE & MALE DISCONNECTS.	143
HIGH TEMPERATURE PIGGYBACKS & SPADES .....	143
HIGH TEMPERATURE RING TERMINALS, FLAG & BUTT CONNECTORS .....	144
HIGH TEMPERATURE SPECIALTY CONNECTORS .	143, 144
MINITERM DELUXE KITS, KITS WITH TOOL .....	145
PUSH-ON & COMPRESSOR TERMINAL KITS.....	145
INDICATOR LIGHTS .....	148

## SWITCHES

ROCKER, ROTARY & MISCELLANEOUS SWITCHES ...	151
PUSHBUTTONS & PULL CHAINS .....	152
TOGGLE SWITCHES: SINGLE POLE.....	153
TOGGLE SWITCHES: MULTIPLE POLE.....	154

## DATA COMMUNICATION

SPLITTERS & "F" CONNECTORS.....	158
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TELEPHONE WALL PLATES .....	159
"F" TYPE & COMBINATION WALL PLATES.....	160
TELEPHONE ACCESSORIES .....	160

## WIRE MANAGEMENT

GENERAL PURPOSE & PREMIUM ELECTRICAL .....	164
RUBBER SPLICING & DOUBLE-SIDED TAPES .....	165
FRICTION & CORROSION PROTECTION TAPES .....	166
WIRE HARNESS WRAP.....	167
SILICONE & HIGH VOLTAGE RUBBER TAPES .....	167
DUCT TAPE .....	167
FILLER TAPE, GLASS CLOTH & RUBBER MASTIC TAPES	168
STANDARD CABLE TIES .....	169
UV & WEATHER RESISTANT CABLE TIES.....	170
HVAC UL181B Approved Ties.....	171
STANDARD CABLE TIES: COLORS & FLUORESCENT...	171
CABLE TIE CANNISTER PACKS.....	172
STANDARD & WEATHER RESISTANT MOUNTABLE TIES	172
MARKER TIES .....	173
RELEASABLE CABLE TIES .....	173
AIR HANDLING CABLE TIES .....	173
PUSH MOUNT TIES .....	173
TEFZEL, IN-LINE & HEAT STABILIZED TIES.....	174
VELCRO & STAINLESS STEEL CABLE TIES .....	175
CABLE TIES WITH STAINLESS STEEL BARB.....	176
CABLE TIE INSTALLATION TOOLS .....	176
ADHESIVE CABLE TIE MOUNTS.....	177
PUSH MOUNTS & SADDLE MOUNTS.....	177
CABLE CLIPS, CABLE CLAMPS.....	178
MASONRY PUSH MOUNTS.....	178
SELF ADHESIVE CORD CLIPS .....	179

# TABLE OF CONTENTS

NYLON CABLE CLAMPS .....	179, 180
SNAP RIVETS .....	179
NAIL CLIPS & NAIL-ON PLASTIC STAPLES FOR ROMEX .....	180
PANEL CHANNEL: STANDARD SLOT .....	181
PANEL CHANNEL: NARROW FINGER .....	182
PANEL CHANNEL: SOLID WALL .....	183
FLOOR DUCT & DUCT CUTTING TOOLS .....	183
ONE PIECE LATCHING DUCT .....	184
JUNCTION BOXES .....	184
LATCHING DUCT & CAT 5 E FITTINGS .....	185
TWO PIECE SURFACE RACEWAY & FITTINGS .....	186
MARK-PRO™ CABLE MARKER PLATES .....	187
WIRE MARKER & ROLL LABEL DISPENSERS .....	187
INDUSTRIAL SUPPLY CARTRIDGES & TAPES .....	187
SELF LAMINATING WIRE WRAP .....	188
POLYOLEFIN SHRINK TUBLE .....	188
MARK-PRO™ HAND HELD PRINTER .....	188
POCKET-PAL BOOKS .....	189
WIRE MARKER CARDS .....	190
VOLTAGE MARKERS .....	191
SAFETY SIGNS .....	192
SELF ADHESIVE LABELS .....	192
BARRICADE TAPES .....	193
UNDERGROUND & DETECTABLE UNDERGROUND LINE TAPES .....	193
LOCKOUT/TAGOUT TRAINING PROGRAM .....	194
PADLOCKS & LABELS .....	194
WARNING TAGS & REUSABLE LOCKOUT TAGS .....	195
PLUG & WALL SWITCH LOCKOUTS .....	196
CIRCUIT BREAKER & VALVE LOCKOUTS .....	196
HASPS & EQUIPMENT LOCKOUT .....	197
LOCK STATIONS & LOCKOUT KITS .....	197

SPIRAL WRAP CABLE HARNESSSES .....	198
SPIRAL WRAP CABLE HARNESSSES .....	198
SLYDER™ CABLE LUBRICANT: STANDARD & WINTER GRADES .....	199

## FIRE-STOP™

FIRESTOP™ INTUMESCENT CAULK .....	204
FIRESTOP™ MORTAR .....	204
FIRESTOP814™ RESIDENTIAL & COMMERCIAL FIRE STOP 205 .....	
FIREBLOCK136™ RESIDENTIAL RATED FIRE BLOCK .	205
FIRE RATED PUTTY STICKS AND PADS .....	206
FIRESTOP™ MINERAL WOOL & PILLOWS .....	207
FIRESTOP™ BOX & COVER GUARDS .....	208
APPENDIX A: APPLICATION DESIGNS & REFERENCE GUIDE .....	209
APPENDIX B: TECHNICAL APPENDIX .....	210
UL SYSTEMS: CONDUIT & EMT .....	211-214
UL SYSTEMS: NM CONDUIT & CABLES/LARGER OPENINGS .....	215-216
UL SYSTEMS: MULTIPLE PENETRATIONS .....	217-218
TECHNICAL APPENDIX .....	219-220

## HARDWARE

SILICON BRONZE HARDWARE .....	223
STAINLESS STEEL HARDWARE .....	224

## TOOLS

DIELESS HYDRAULIC CRIMPING TOOLS .....	228
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# TABLE OF CONTENTS

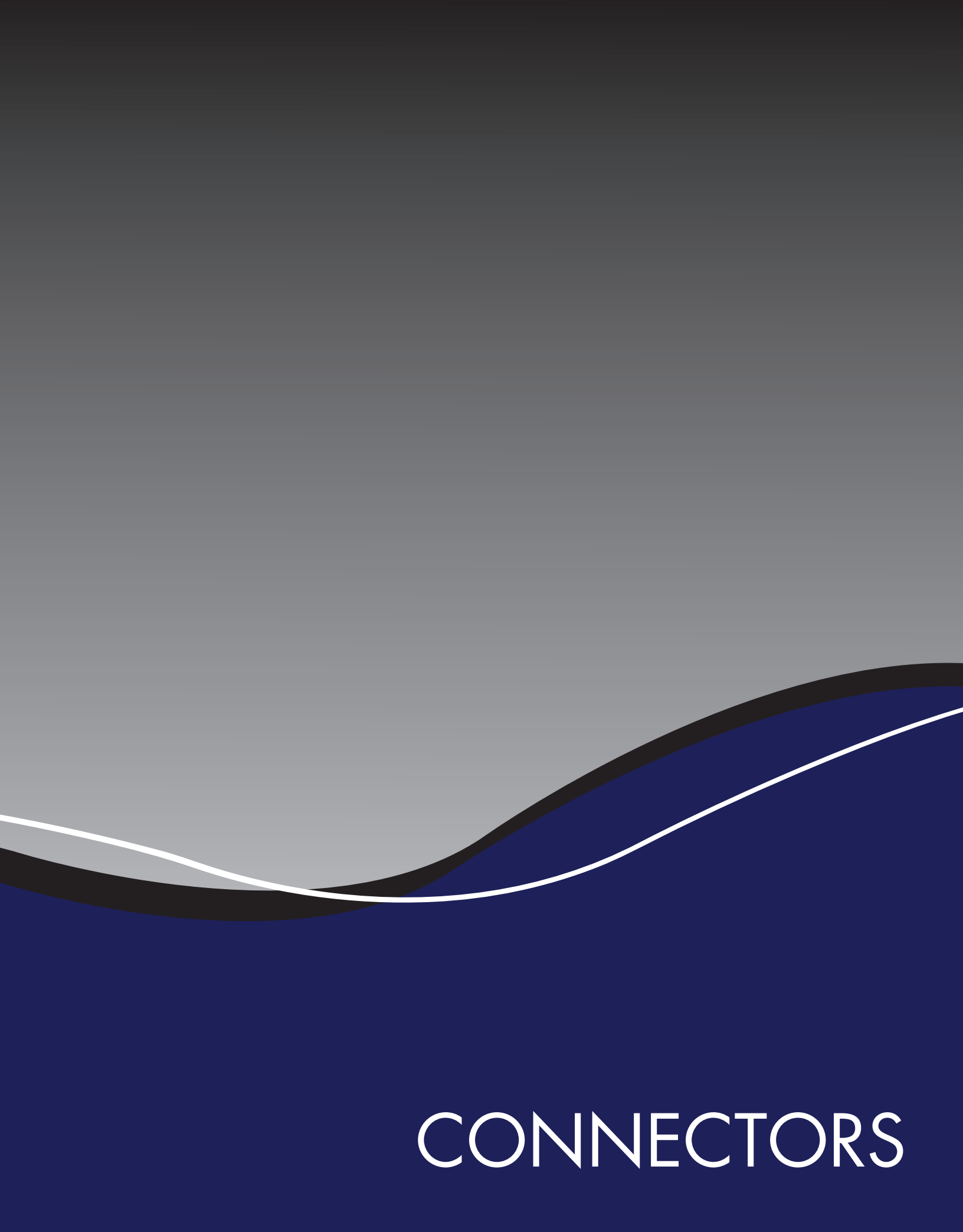
BATTERY OPERATED DIE-TYPE CRIMPING TOOL . . . .	228
HYDRAULIC DIE-TYPE CRIMPING TOOLS . . . . .	229
U-TYPE COMPRESSION DIES . . . . .	229
MANUAL COMPRESSION TOOLS & INSERT DIES . . . .	230
RATCHET-DRIVE CRIMPERS . . . . .	230
MANUAL & RATCHET-DRIVE CABLE CUTTERS . . . . .	231
MINITERM AND COAXIAL CABLE TOOLS . . . . .	232
ALL-IN-ONE WIRE STRIPPER & CRIMPER . . . . .	232
FISHTAPES: NYLON, STEEL & STAINLESS STEEL . . . .	233
CONDUIT BENDERS & HANDLES . . . . .	234
TESTERS: VOLTAGE, CIRCUIT & RECEPTACLE . . . . .	235
INSULATED HEX WRENCHES & KITS . . . . .	236
OXIDE INHIBITOR . . . . .	236
DUCT SEALING COMPOUND . . . . .	236

## GROUNDING

BRONZE & HEAVY DUTY BRONZE GROUND CLAMPS . 240	
ALUMINUM GROUND CLAMPS . . . . .	240
DIRECT BURIAL & HEAVY DUTY DB GROUND CLAMPS	241
EXTRA HEAVY DUTY DB GROUND CLAMP . . . . .	241
HEAVY DUTY DB CLAMP WITH LAY-IN FEATURE . . . .	241
BRONZE & DIRECT BURIAL GROUND CLAMPS WITH WIRE ADAPTERS . . . . .	242
BRONZE GROUND CLAMPS WITH BRASS SCREWS, ADAPTERS . . . . .	242
HEAVY DUTY BRONZE GROUND CLAMPS . . . . .	243
HEAVY DUTY BRONZE GROUND CLAMPS FOR RIGID CONDUIT . . . . .	243
GROUNDING CONNECTORS FOR ALUMINUM & COPPER WIRES . . . . .	243

BRONZE GROUND CLAMPS WITH ADAPTERS . . . . .	244
BRONZE GROUND CLAMPS WITH ADAPTERS FOR RIGID CONDUIT . . . . .	244
ZINC DIE-CAST GROUND CLAMPS . . . . .	244
BRONZE GROUND CLAMPS WITH FLEXIBLE COPPER STRAP . . . . .	245
ECONOMY CONDUIT HUBS . . . . .	245
360° SWING-TYPE CONDUIT HUBS . . . . .	245
SILICON BRONZE GROUND ROD CLAMPS . . . . .	246
RANGE TAKING GROUND ROD CLAMP . . . . .	246
POLE BOTTOM GROUND PLATE . . . . .	246
HEAVY DUTY GROUND CONNECTORS FOR PARALLEL & 90° COPPER CABLE . . . . .	247
HEAVY DUTY GROUND CONNECTORS FOR THREE PARALLEL COPPER CABLES . . . . .	248
COPPER "C" TAPS . . . . .	248, 249
SILICON BRONZE INSULATION PIERCING VISE GRIP CONNECTORS . . . . .	250
COPPER JUMPER CLAMPS . . . . .	250
TRANSFORMER GROUND CLAMPS . . . . .	251
TWO-WAY BASKETS . . . . .	251
COPPER LAY-IN CONNECTORS . . . . .	252
ISOLATED GROUND BARS . . . . .	252
SOLID & STRANDED WIRE PIGTAILS . . . . .	253
253GREEN GROUNDING CLIPS . . . . .	
FLEXIBLE BRAID JUMPER STAPS & FLEXIBLE GROUND STRAP . . . . .	254
ALPHANUMERIC INDEX . . . . .	265





CONNECTORS



### SINGLE AND DOUBLE LUGS



Versatile and reusable set screw connectors made of 6061T-6 aluminum alloy. Tin plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Rated 600 volts.

CATALOG NO.	UPC CODE	FIG.	WIRE RANGE CU-AL	LENGTH	HEIGHT	WIDTH	MTG. HOLE	CARTON QTY.	WEIGHT LBS./100
6T	00100	1	6-14 AWG	1.06	0.5	0.5	1/4	100	1
4T	00101	1	4-14 AWG	1.060	.500	.375	.250	100	1.5
2T	00102	1	2-14 AWG	1.16	0.55	0.5	1/4	100	2
0T	00103	1	1/0-14 AWG	1.47	0.79	0.63	1/4	50	4
2/0T	00104	1	2/0-14 AWG	1.47	0.79	0.63	1/4	50	4
3/0T	00105	2	3/0-6 AWG	1.750	.844	.719	.266	50	5
250T	00106	2	250 MCM-6 AWG	2.0	1.02	0.88	.33	24	11
300T	00107	2	300 MCM-6 AWG	2.25	1.13	0.88	.33	24	12
350T	00108	2	350 MCM-6 AWG	2.25	1.13	0.99	.41	20	14
500T	00109	2	500 MCM-4 AWG	2.75	1.41	1.2	.41	6	26
600T	00110	2	600 MCM-2 AWG	3.18	1.51	1.43	.41	6	36
800T	00111	2	800-300 MCM	3.25	1.69	1.44	.56	6	47
1000T	00112	2	1000-500 MCM	3.25	1.88	1.69	.56	6	51
2-0T	00120	3	(2) 1/0-14 AWG	1.47	0.78	1.13	1/4	25	7
2-2/0T	00121	3*	(2) 2/0-14 AWG	1.47	0.78	1.25	1/4	25	8
2-250T	00122	3	(2) 250 MCM-6 AWG	2.56	1.02	1.69	3/8	10	20
2-350T	00123	3	(2) 350 MCM-6 AWG	2.88	1.13	1.92	3/8	8	27
2-600T	00124	3	(2) 600 MCM-2 AWG	3.18	1.51	2.68	1/2	4	55
2-800T	00125	3	(2) 800-300 MCM	3.25	1.69	2.75	1/2	2	90
2-1000T	00126	3	(2) 1000-500 MCM	3.25	1.88	3.19	1/2	2	92

\*Slotted Screws

### PANELBOARD LUGS



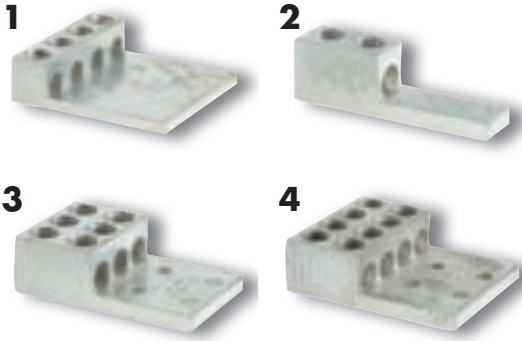
Large size set screw connectors with multiple mounting holes for a secure, turn-prevent connection. Made of 6061T-6 aluminum alloy. Tin plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Rated 600 volts. Mounting hole spacing is 1 3/4" from center to center.

CATALOG NO.	UPC CODE	FIG.	WIRE RANGE CU-AL	LENGTH	HEIGHT	WIDTH	MTG. HOLE	CARTON QTY.	WEIGHT LBS./100
250L2	00130	1	250 MCM-6 AWG	4.31	1.38	0.88	0.56	15	15
350L2	00131	1	350 MCM-6 AWG	4.31	1.38	0.99	0.56	8	24
600L2	00132	1	600 MCM-2 AWG	4.65	1.51	1.43	9/16	4	46
800L2	00133	1	800-300 MCM AWG	4.75	1.69	1.44	9/16	4	61
1000L2	00134	1	1000-500 MCM AWG	4.94	1.88	1.69	9/16	4	63
2-250L2	00140	2	(2) 250 MCM-6 AWG	4.000	1.188	1.813	9/16	6	32
2-350L2	00141	2	(2) 350 MCM-6 AWG	4.31	1.375	1.94	1/2	4	43
2-600L2	00142	2	(2) 600 MCM-2 AWG	4.65	1.51	2.68	1/2	3	70
2-800L2	00143	2	(2) 800-300 MCM AWG	4.94	1.69	2.75	1/2	2	90
2-1000L2	00144	2	(2) 1000-500 MCM AWG	4.94	1.88	3.19	1/2	2	100
3-250L2/L4	00150	3	(3) 250 MCM-6 AWG	4.000	1.188	2.813	9/16	3	49
3-350L2/L4	00151	3	(3) 350 MCM-6 AWG	4.313	1.375	3.000	9/16	2	65
3-600L2/L4	00152	3	(3) 600 MCM-2 AWG	4.688	1.563	3.750	9/16	2	106
3-800L2/L4	00153	3	(3) 800-300 MCM AWG	4.750	1.938	4.500	9/16	2	137
3-1000L2/L4	00154	3	(3) 1000-500 MCM AWG	4.750	1.938	4.500	9/16	2	218

# Connectors

## DUAL RATED MECHANICAL CONNECTORS

### PANELBOARD LUGS

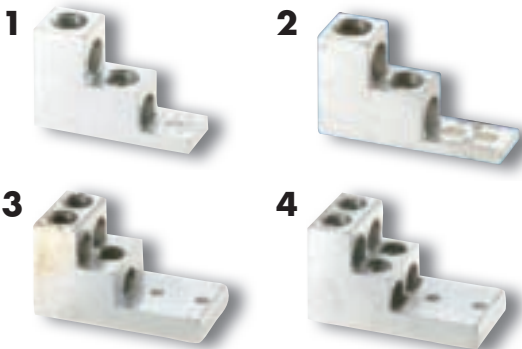


Large size set screw connectors with multiple mounting holes for a secure, turn-prevent connection. Made of 6061T-6 aluminum alloy. Tin plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Rated 600 volts. Mounting hole spacing is 1<sup>3</sup>/<sub>4</sub>" from center to center.

CATALOG NO.	UPC CODE	FIG.	WIRE RANGE CU-AL	LENGTH	HEIGHT	WIDTH	MTG. HOLE	CARTON QTY.	WEIGHT LBS./100
4-250L4	00160	1	(4) 250 MCM-6	4.31	1.38	3.3	1/2	3	67
4-350L4	00161	1	(4) 350 MCM-6	4.31	1.38	3.94	1/2	2	89
4-600L4	00162	1	(4) 600 MCM-2	5.5	1.5	5.18	1/2	2	140
4-800L4	00163	1	(4) 800-300 MCM	6.19	1.81	5.38	1/2	2	210
4-1000L4	00164	1	(4) 1000-500 MCM	4.750	1.938	5.938	9/16	2	280
600LL2	00169	2	600 MCM-2	5.500	1.500	1.375	9/16	4	61
800LL2	00170	2	800-300 MCM	6.188	1.875	1.500	9/16	4	82
1000LL2	00171	2	1000-500 MCM	6.188	1.875	1.625	9/16	4	100
1500LL2*	00172	2	1500-800 MCM	6.750	2.000	2.000	5/8	4	160
3-600LL4	00173	3	(3) 600 MCM-2	5.5	1.63	3.75	1/2	2	189
3-800LL4	00174	3	(3) 800-300 MCM	6.19	1.9	4.5	1/2	2	234
3-1000LL4	00175	3	(3) 1000-500 MCM	6.19	1.9	4.5	1/2	2	296
4-600LL4	00176	4	(4) 600 MCM-2	5.5	1.63	4.9	1/2	2	263
4-800LL4	00177	4	(4) 800-300 MCM	6.19	1.9	5.94	1/2	2	284
4-1000LL4	00178	4	(4) 1000-500 MCM	6.188	1.875	6.125	9/16	2	335

\*Not CSA or UL Approved

### STACKED LUGS



Large size set screw connectors with wire holes stacked on top of each other to minimize the width of the connector. Made of 6061T-6 aluminum alloy. Tin plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Rated 600 volts. Mounting hole spacing is 1<sup>3</sup>/<sub>8</sub>" except 350T-2 which is 5/8".

CATALOG NO.	UPC CODE	FIG.	WIRE RANGE CU-AL	LENGTH	WIDTH	HEIGHT	MTG. HOLE	CARTON QTY.	WEIGHT LBS./100
300T-2	00180	1	(2) 300 MCM-6	3.000	2.000	1.000	5/16	10	24
350T-2	00181	2	(2) 350 MCM-6	3.563	2.000	1.063	5/16	10	29
600T-2	00182	2	(2) 600 MCM-2	4.906	2.875	1.500	13/32	2	90
600T-3	00183	3	(3) 600 MCM-2	4.906	2.875	2.469	13/32	2	156
600T-4	00184	4	(4) 600 MCM-2	4.906	2.875	2.469	13/32	2	141
800T-2	00185	2	(2) 800-300 MCM	4.906	3.000	1.563	3/8	2	90
800T-3	00186	3	(3) 800-300 MCM	4.906	3.000	2.625	3/8	2	150
800T-4	00187	4	(4) 800-300 MCM	4.906	3.000	2.750	3/8	2	152

### SPLICER REDUCER

1



2

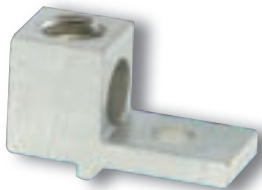


For splicing two copper or aluminum wires of equal or different sizes. Made of 6061T-6 aluminum alloy. Tin plated for low contact resistance with center stop. Rated 600 volts.

CATALOG NO.	UPC CODE	FIG.	WIRE RANGE CU-AL	LENGTH	HEIGHT	WIDTH	CARTON QTY.	WEIGHT LBS./100
2-SR	00230	1	2-14	1.12	.50	.44	50	4
1/0-SR	00231	1	1/0-14	1.50	.63	.53	25	7
4/0-SR	00232	1	4/0-6	2.00	1.00	.84	24	11
250-SR	00233	2	250 MCM-6	3.94	1.13	1.00	10	26
350-SR	00234	2	350 MCM-6	4.19	1.19	1.13	8	34
500-SR	00235	2	500 MCM-3/0	5.00	1.50	1.38	3	75
750-SR	00236	2	750 MCM-250	6.25	1.75	1.63	3	123

### LUG WITH TURN PREVENT

1



2



Set screw connectors with a turn prevent on the bottom of the tang to eliminate potential movement of the connector. Made of 6061T-6 aluminum alloy. Tin plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Rated 600 volts.

CATALOG NO.	UPC CODE	FIG.	WIRE RANGE CU-AL	LENGTH	HEIGHT	WIDTH	MTG. HOLE	TURN PREVENT TO MTG. HOLE CENTER	CTN. QTY.
2/0TP	00240	1	2/0-14	1.468	.781	.625	0.256	0.406	50
300TP	00241	1	300 MCM-6	2.000	1.125	.984	0.437	0.492	24
350TP	00242	1	350 MCM-6	2.250	1.250	1.125	0.344	0.406	20
600TP	00243	1	600 MCM-2	3.125	1.562	1.500	0.531	0.625	6
2-350TP	00246	2	350 MCM-6	2.250	1.250	1.812	0.406	0.492	8
2-600TP	00247	2	600 MCM-2	3.125	1.562	2.406	0.531	0.625	4

# Connectors

## DUAL RATED MECHANICAL CONNECTORS

### LAY-IN CONNECTORS



Lay-in connectors offer the ultimate in flexibility. Excellent for grounding and continuous loop applications. Made of 6061T-6 aluminum alloy. Tin plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Rated 600 volts.

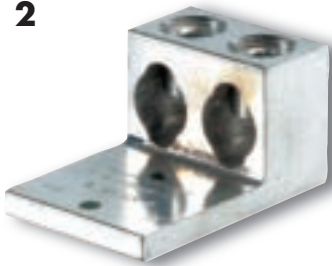
CAT. NO.	UPC CODE	MATERIAL	WIRE RANGE CU-AL	LENGTH	HEIGHT	WIDTH	MTG. HOLE	CTN. QTY.
GLA-4	00190	aluminum	4-14	1.063	.750	.375	7/32	100
GLA-0	00191	aluminum	1/0-8	1.500	1.109	.594	17/34	40
GLA-000	00192	aluminum	3/0-6	2.000	1.500	.797	21/64	20
GLA-250	00193	aluminum	250 MCM-6	2.203	1.703	.797	21/64	20

### DUAL RANGE LUGS

1



2



Set screw connectors that will accept either one or two wires. Made of 6061T-6 aluminum alloy. Tin plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Rated 600 volts.

CAT. NO.	UPC CODE	FIG.	WIRE RANGE CU-AL	LENGTH	HEIGHT	WIDTH	MTG. HOLE
BS400T	00200	1	One-600-MCM-4 Two-250 MCM-1/0	2.813	1.813	1.375	9/16
BS400T2	00201	2	Two-250 MCM-1/0 Four-250 MCM-1/0	2.813	1.813	2.500	1/4

### ALUMINUM BOX CONNECTORS WITH "TURN PREVENT"

1



2



3



4



Made of 6061T-6 aluminum alloy. Tin-plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Rated 600 volts.

CAT. NO.	UPC CODE	FIG.	WIRE RANGE CU-AL	LENGTH	HEIGHT	WIDTH	MTG. HOLE
BTP 0	00220	1	0 - #10	.6	.83	.62	10-32
BTP 300	00221	2	300 MCM-6	.97	1.16	.98	1/4-20
BTP 350	00222	3	350 MCM-6	.88	1.10	.88	1/4-20
S300	00223	4	300 MCM-6	.88	1.09	.88	1/4-20

### PARALLEL OR "T" TAP CONNECTORS



Excellent for tapping off main conductor without cutting due to lay-in feature. Dual entry wire holes allow for parallel or "T" tap connections. Plated for low contact resistance. Reusable. Rated 600 volts.

CAT. NO.	UPC CODE	CONDUCTOR MAIN	RANGE AL-CU TAP	LENGTH	HEIGHT	WIDTH	CTN. QTY.	WEIGHT LBS./100
GP-2*	00250	2-12 str.	4-14	1.375	.875	.625	25	5
GP-0	00251	1/0-2	1/0-14	1.750	1.000	.750	12	9
GP-250-0	00252	250-1/0	1/0-14	2.031	1.313	1.167	12	16
GP-250	00253	250-1/0	250-6	2.281	1.313	1.167	12	16
GP-350	00254	350-4/0	350-6	2.563	1.438	1.250	6	21
GP-500	00255	500-350	500-2	3.125	1.750	1.375	6	37
GP-750	00256	750-500	500-2	3.375	2.000	1.500	3	55

\*Slotted screw, tap side

### INSULATING COVERS FOR TAP CONNECTORS



Flexible covers allow for either parallel or "T" tap wire entry. Secure snap eliminates need for taping. Rated 90°C and 600 volts

CAT. NO.	UPC CODE	USE WITH CONNECTOR	COLOR	LENGTH	HEIGHT	WIDTH	CTN. QTY.	WEIGHT LBS./100
GC-2	00270	GP-2	yellow	2.125	1.063	1.750	12	3
GC-0	00271	GP-0	gray	2.500	1.250	2.406	6	4
GC-250	00272	GP-250, GP-250-0	red	3.125	1.594	2.531	3	8
GC-350	00274	GP-350	yellow	3.500	1.875	2.844	3	12
GC-500	00275	GP-500	blue	4.250	2.063	3.125	3	12
GC-750	00275	GP-750	orange	4.625	2.500	3.875	3	57

### TAP CONNECTORS WITH INSULATING COVERS - PARALLEL OR "T" TAP

Excellent for tapping off main conductors without cutting due to lay-in feature. Dual entry wire holes allow for parallel or "T" tap connections. Plated for low contact resistance. Reusable. Comes complete with flexible cover. Secure snap eliminates need for taping. Rated 90°C and 600 volts

CAT. NO.	UPC CODE	MAIN	TAP	LENGTH	HEIGHT	WIDTH	CTN. QTY.	WEIGHT LBS./100
GP-2WC*	00301	2-12 str	4-14	1.375	.875	.625	12	5
GP-0WC	00302	1/0-2	1/0-14	1.750	1.000	.750	10	9
GP-250-0WC	00303	250-1/0	1/0-14	2.031	1.313	1.167	5	16
GP-250WC	00304	250-1/0	250-6	2.281	1.313	1.167	5	16
GP-350WC	00305	350-4/0	350-6	2.563	1.438	1.250	3	21
GP-500WC	00306	500-350	500-2	3.125	1.750	1.375	2	37
GP-750WC	00307	750-500	500-2	3.375	2.000	1.500	2	55

\*Slotted screw, tap side

# Connectors

## TRANSFORMER CONNECTORS

### TRANSFORMER LUGS



Made from 6061T-6 aluminum alloy. Tin plated for low contact resistance. Two mounting holes ensure secure connection. Rated 600 volts.

CATALOG NO.	UPC CODE	WIRE RANGE	NO. OF COND.	BOLT SIZE	STUD SPACING	LENGTH	HEIGHT	WIDTH	CTN. QTY.	WEIGHT LBS./100
STL250-4	09700	250 MCM-6	4	1/2	1 3/4	7.094	1.125	1.000	6	50
STL250-6	09701	250 MCM-6	6	1/2	1 3/4	7.500	1.125	1.000	6	62
STL250-8	09702	250 MCM-6	8	1/2	1 3/4	9.500	1.125	1.000	6	74
STL350-4	09703	350 MCM-6	4	1/2	1 3/4	8.000	1.438	1.000	6	67
STL350-6	09704	350 MCM-6	6	1/2	1 3/4	9.000	1.438	1.000	6	82
STL350-8	09705	350 MCM-6	8	1/2	1 3/4	11.000	1.438	1.000	6	101
STL500-4	09706	500 MCM-4	4	1/2	1 3/4	7.500	1.625	1.125	6	88
STL500-6	09707	500 MCM-4	6	1/2	1 3/4	9.750	1.625	1.125	6	115
STL500-8	09708	500 MCM-4	8	1/2	1 3/4	12.000	1.625	1.125	6	136
STL750-4	09709	750-250 MCM	4	1/2	1 3/4	8.500	2.000	1.438	3	133
STL750-6	09710	750-250 MCM	6	1/2	1 3/4	11.500	2.000	1.438	3	168
STL750-8	09711	750-250 MCM	8	1/2	1 3/4	15.688	2.000	1.438	3	195

### STUD MOUNT TRANSFORMER CONNECTORS WITH PVC COVERS

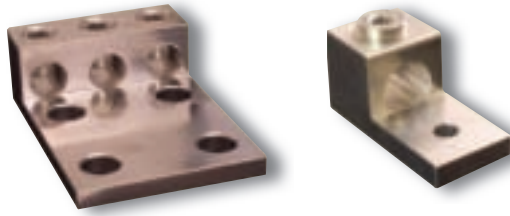


Versatile and reusable set screw connectors made from high strength 6061-T6 aluminum alloy for superior electrical and mechanical performance. Tin plated for low contact resistance and supplied complete with oxide

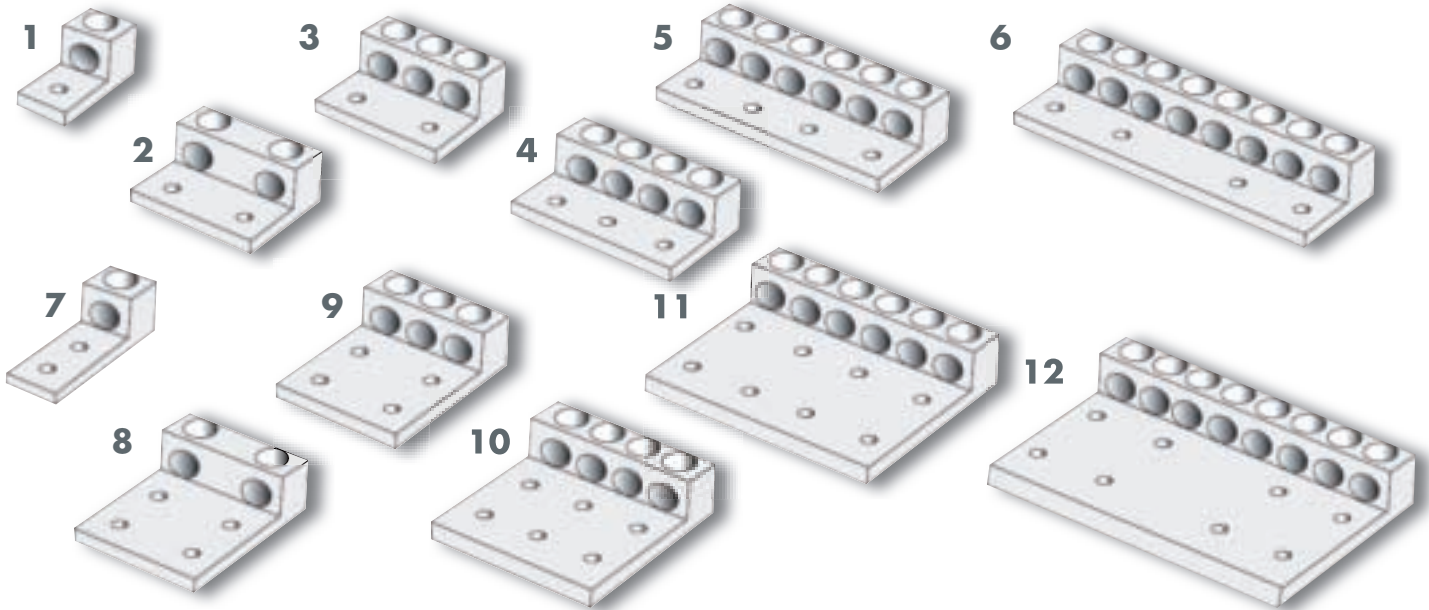
inhibitor. Available with slide-on PVC cover and also in single phase or three phase kits. Suitable for use with both copper and aluminum conductors. Rated 600 volts. Meets or exceeds ANSI C119.4 Class A specifications.

CATALOG NO.	UPC CODE	DESCRIPTION	NUMBER OF CONDUCTORS AND WIRE RANGE	STUD SIZE
TCSL4500	02785	Uninsulated Inline Connector	4 conductors - 500 MCM - 6 AWG and one conductor 2 - 14 AWG	5/8 & 1
TCSL4500C	02786	Inline Connector c/w PVC Cover		
TCSL4500-1K	02787	Single phase kit - one uninsulated and two connectors with cover		
TCSL4500-3K	02788	Three phase kit - one uninsulated and three connectors with covers	6 conductors - 500 MCM - 6 AWG and one conductor 2 - 14 AWG	5/8 & 1 2 - 14 AWG
TCSL6500	02789	Uninsulated Inline Connector		
TCSL6500C	02790	Inline Connector c/w PVC Cover		
TCSL6500-1K	02791	Single phase kit - one uninsulated and two connectors with cover	8 conductors - 500 MCM - 6 AWG and one conductor 2 - 14 AWG	5/8 & 1
TCSL6500-3K	02792	Three phase kit - one uninsulated and three connectors with covers		
TCSL8500	02793	Uninsulated Inline Connector		
TCSL8500C	02794	Inline Connector c/w PVC Cover	8 conductors - 500 MCM - 6 AWG and one conductor 2 - 14 AWG	5/8 & 1
TCSL8500-1K	02795	Single phase kit - one uninsulated and two connectors with cover		
TCSL8500-3K	02796	Three phase kit - one uninsulated and two connectors with cover		

### DUAL RATED TRANSFORMER LUGS



Versatile and reusable set screw connectors made from high strength 6061-T6 aluminum alloy for superior electrical and mechanical performance. Tin plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Rated 600 volts. Meets or exceeds ANSI C119.4 Class A specifications. Mounting hole spacing is 1 3/4" center to center. Also available with the following options: clear plating, anodized set screws or disc pad screws. Please contact NSI Customer Service for details.

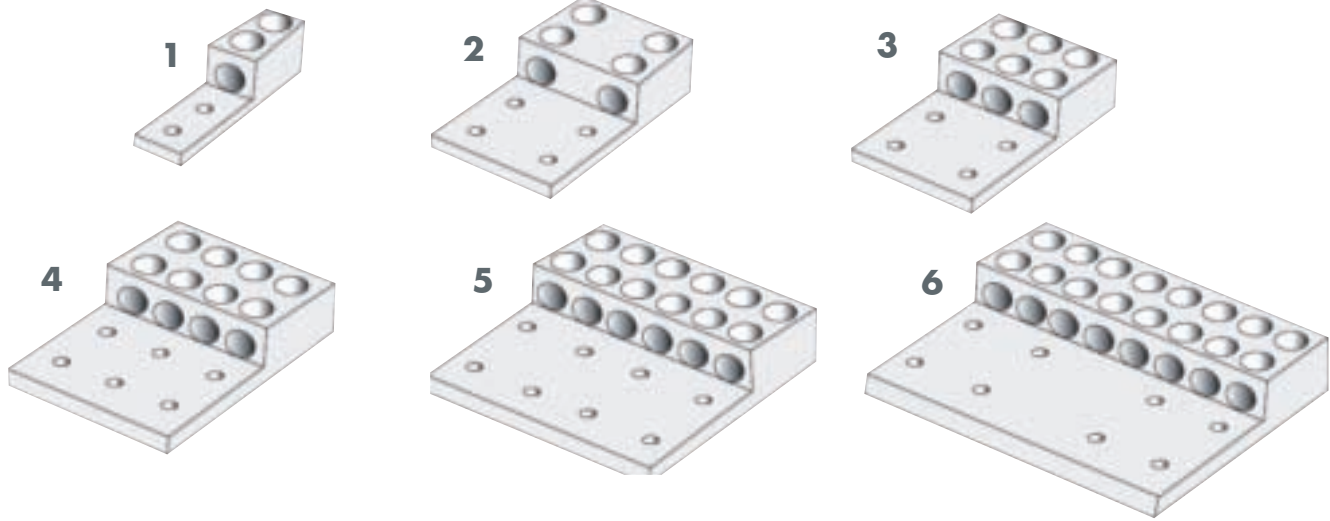


CATALOG NO.	UPC CODE	FIG. NO.	WIRE RANGE	MTG HOLES	NO. OF COND	HEX SIZE	DIMENSIONS			MTG HOLE
							LENGTH	HEIGHT	WIDTH	
350T	00108	1	350 MCM - 6 AWG	1	1	3/8"	2.25	1.25	1.10	.375
2-350T2	02690	2	350 MCM - 6 AWG	2	2	3/8"	2.25	1.25	1.94	.375
3-350T2	02691	3	350 MCM - 6 AWG	2	3	3/8"	2.25	1.25	2.84	.375
4-350T3	02692	4	350 MCM - 6 AWG	3	4	3/8"	2.25	1.25	3.75	.375
6-350T4	02693	5	350 MCM - 6 AWG	4	6	3/8"	2.25	1.25	4.66	.375
8-350T4	02694	6	350 MCM - 6 AWG	4	8	3/8"	2.25	1.25	5.56	.375
350L2	00131	7	350 MCM - 6 AWG	2	1	3/8"	4.31	1.38	1.13	.563
2-350L4	02695	8	350 MCM - 6 AWG	4	2	3/8"	4.31	1.38	2.00	.563
3-350L4	02696	9	350 MCM - 6 AWG	4	3	3/8"	4.31	1.38	2.94	.563
4-350L6	02697	10	350 MCM - 6 AWG	6	4	3/8"	4.31	1.38	3.87	.563
6-350L8	02698	11	350 MCM - 6 AWG	8	6	3/8"	4.31	1.38	5.75	.563
8-350L8	02699	12	350 MCM - 6 AWG	8	8	3/8"	4.31	1.38	7.62	.563
600L2	00132	7	600 MCM - 2 AWG	2	1	3/8"	4.50	1.63	1.50	.563
2-600L4	02700	8	600 MCM - 2 AWG	4	2	3/8"	4.50	1.63	2.41	.563
3-600L4	02701	9	600 MCM - 2 AWG	4	3	3/8"	4.50	1.63	3.59	.563
4-600L6	02702	10	600 MCM - 2 AWG	6	4	3/8"	4.50	1.63	4.78	.563
6-600L8	02703	11	600 MCM - 2 AWG	8	6	3/8"	4.50	1.63	7.16	.563

### DUAL RATED TRANSFORMER LUGS - HEAVY DUTY



Versatile and reusable set screw connectors made from high strength 6061-T6 aluminum alloy for superior electrical and mechanical performance. Two set screws per wire hole ensure an exceptional connection. Tin plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Rated 600 volts. Meets or exceeds ANSI C119.4 Class A specifications. Mounting hole spacing is 1<sup>3</sup>/<sub>4</sub>" center to center. Also available with the following options: clear plating, anodized set screws or disc pad screws. Contact NSi Customer Service for details.

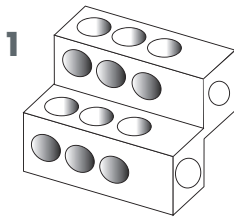


CATALOG NO.	UPC CODE	FIG. NO.	WIRE RANGE	MTG HOLES	NO. OF COND	HEX SIZE	DIMENSIONS			MTG HOLE
							LENGTH	HEIGHT	WIDTH	
350LL2	02705	1	350 MCM - 6 AWG	2	1	3/8"	5.31	1.38	1.13	.563
2-350LL4	02706	2	350 MCM - 6 AWG	4	2	3/8"	5.31	1.38	2.00	.563
3-350LL4	02707	3	350 MCM - 6 AWG	4	3	3/8"	5.31	1.38	2.94	.563
4-350LL6	02708	4	350 MCM - 6 AWG	6	4	3/8"	5.31	1.38	3.87	.563
6-350LL8	02709	5	350 MCM - 6 AWG	8	6	3/8"	5.31	1.38	5.75	.563
8-350LL8	02710	6	350 MCM - 6 AWG	8	8	3/8"	5.31	1.38	7.62	.563
8-350LL10	02711	6	350 MCM - 6 AWG	10	8	3/8"	5.31	1.38	7.62	.563
600LL2	00169	1	600 MCM - 2 AWG	2	1	3/8"	5.875	1.562	1.50	.563
2-600LL4	02712	2	600 MCM - 2 AWG	4	2	3/8"	5.875	1.562	2.41	.563
3-600LL4	02713	3	600 MCM - 2 AWG	4	3	3/8"	5.875	1.562	3.59	.563
4-600LL6	02714	4	600 MCM - 2 AWG	6	4	3/8"	5.875	1.562	4.78	.563
8-600LL10	02716	6	600 MCM - 2 AWG	10	8	3/8"	5.875	1.562	9.53	.563
800LL2	00170	1	800 MCM - 300 MCM	2	1	1/2"	6.188	1.875	1.465	.563
2-800LL4	02718	2	800 MCM - 300 MCM	4	2	1/2"	6.188	1.875	2.737	.563
3-800LL4	02719	3	800 MCM - 300 MCM	4	3	1/2"	6.188	1.875	4.112	.563
4-800LL8	02720	4	800 MCM - 300 MCM	8	4	1/2"	6.188	1.875	5.487	.563
1000LL2	00171	1	1000 MCM - 500 MCM	2	1	1/2"	6.188	1.875	1.600	.563
2-1000LL4	02722	2	1000 MCM - 500 MCM	4	2	1/2"	6.188	1.875	2.982	.563
3-1000LL4	02723	3	1000 MCM - 500 MCM	4	3	1/2"	6.188	1.875	4.482	.563
4-1000LL8	02724	4	1000 MCM - 500 MCM	8	4	1/2"	6.188	1.875	5.982	.563
8-1000LL12	02726	6	1000 MCM - 500 MCM	12	8	1/2"	6.188	1.875	11.982	.563

### SECONDARY TRANSFORMER CONNECTORS



Versatile and reusable set screw connectors made from high strength 6061-T6 aluminum alloy for superior electrical and mechanical performance. Plated for low contact resistance. For use on slip-fit or threaded transformers. Suitable for use with both copper and aluminum conductors. Rated 600 volts. Meets or exceeds ANSI C119.4 Class A specifications. Available with street light top.



CATALOG NO.	UPC CODE	TYPE	FIG. NO.	WIRE RANGE AWG	STUD SIZE	NO. OF CONDUCTORS	LENGTH	WIDTH
SFTZ350-6	02387	slip fit	1	350-6	5/8 - 11, 1-14	6	5.38	2.38
SFTZ350-8	02388	slip fit	1	350-6	5/8 - 11, 1-14	8	6.38	2.38
SFTZ500-6	02389	slip fit	1	500-6	5/8 - 11, 1-14	6	5.69	2.38
SFTZ500-8	02390	slip fit	1	500-6	5/8 - 11, 1-14	8	6.81	2.38
SFTZ750-6	02391	slip fit	1	750-250	5/8 - 11, 1-14	6	6.27	2.38
SFTZ750-8	02392	slip fit	1	750-250	5/8 - 11, 1-14	8	7.61	2.38
SOTZ350-6	02401	screw on	1	350-6	5/8 - 11, 1-14	6	5.38	2.38
SOTZ350-8	02402	screw on	1	350-6	5/8 - 11, 1-14	8	6.38	2.38
SOTZ500-6	02403	screw on	1	500-6	5/8 - 11, 1-14	6	5.69	2.38
SOTZ500-8	02404	screw on	1	500-6	5/8 - 11, 1-14	8	6.81	2.38
SOTZ750-6	02405	screw on	1	750-250	5/8 - 11, 1-14	6	6.27	2.38
SOTZ750-8	02406	screw on	1	750-250	5/8 - 11, 1-14	8	7.61	2.38

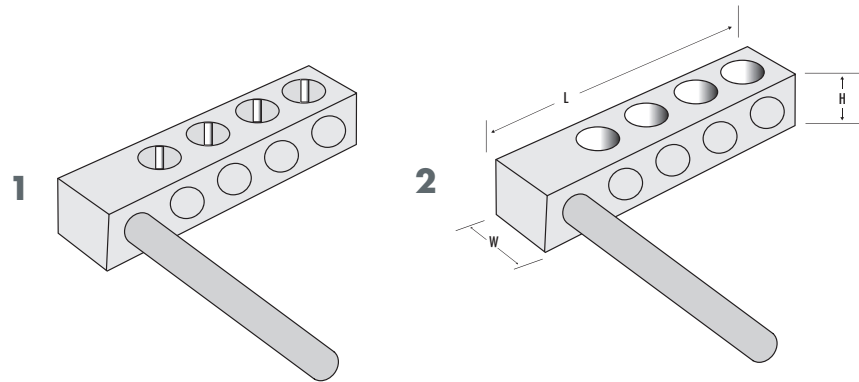
# Connectors

## TRANSFORMER STUD CONNECTORS

### TRANSFORMER STUD CONNECTORS



Versatile and reusable set screw connectors made from high strength 6061-T6 aluminum alloy for superior electrical and mechanical performance. Clear plated for low contact resistance; stud is tin plated copper which provides low contact resistance for connection to transformer. Suitable for use with both copper and aluminum conductors. Rated 600 volts. Meets or exceeds ANSI C119.4 Class A specifications. Also available with the following options: tin plating, anodized set screws or disc pad screws. Contact NSi Customer Service for details.



CATALOG NO.	UPC CODE	FIG. NO.	WIRE RANGE AWG	NO. OF COND	COPPER STUD DIA.	STUD LENGTH	LENGTH	HEIGHT	WIDTH
TS1/0-2	02354	1	1/0-4	2	3/8	3	1.88	0.88	0.63
TS1/0-4	02355	1	1/0-4	4	3/8	3	3.06	0.88	0.63
TS250-2	02356	2	250-6	2	1/2	4	2.69	1.13	0.88
TS250-3	02357	2	250-6	3	1/2	4	3.50	1.13	0.88
TS250-4	02358	2	250-6	4	1/2	4	4.31	1.13	0.88
TS250-6	02360	2	250-6	6	1/2	4	5.94	1.13	0.88
TS250-8	02361	2	250-6	8	1/2	4	7.44	1.13	0.88
TS350-2	02362	2	350-6	2	5/8	4	3.25	1.44	1.00
TS350-2-12	02363	2	350-6	2	1/2	4	3.25	1.44	1.00
TS350-3	02364	2	350-6	3	5/8	4	4.19	1.44	1.00
TS350-4	02365	2	350-6	4	5/8	4	5.06	1.44	1.00
TS350-4-12	02366	2	350-6	4	1/2	4	5.06	1.44	1.00
TS350-6	02368	2	350-6	6	5/8	4	6.88	1.44	1.00
TS350-6-12	02369	2	350-6	6	1/2	4	6.88	1.44	1.00
TS350-8	02370	2	350-6	8	5/8	4	8.56	1.63	1.13
TS500-2	02371	2	500-4	2	3/4	4-1/2	3.63	1.63	1.13
TS500-3	02372	2	500-4	3	3/4	4-1/2	4.75	1.63	1.13
TS500-4	02373	2	500-4	4	3/4	4-1/2	5.88	1.63	1.13
TS500-6	02375	2	500-4	6	3/4	4-1/2	8.13	1.63	1.13
TS500-8	02376	2	500-4	8	3/4	4-1/2	10.38	1.63	1.13
TS750-2	02377	2	750-250	2	3/4	5-1/2	4.38	2.00	1.44
TS750-4	02378	2	750-250	4	3/4	5-1/2	7.00	2.00	1.44

### ONE & TWO BOLT ALUMINUM PARALLEL GROOVE CLAMPS - STANDARD



Made of high-strength, heat-treated aluminum alloy. Galvanized steel hardware. Recommended for copper-to-aluminum applications when ordered pre-filled with oxide inhibitor.

**Recommended torque:**

5/16" bolt – 180 in/lb.

3/8" bolt – 240 in/lb.

1/2" bolt – 480 in/lb.

CAT. NO.	UPC CODE	MAIN		TAP		LENGTH	CARTON QTY.	SHPG.WT. LBS./100
		ACSR	AL/CU	ACSR	AL/CU			
PAA4	00401	1/0-6	1/0 str-6 sol	1/0-6	1/0 str.-6 sol	3/8	25	19
PAA5	00402	1/0-8	1/0 str-8 sol	1/0-8	1/0 str-8 sol	3/8	25	22
PAA6	00403	1/0-8	2/0 str-8 sol	1/0-8	2/0 str-8 sol	3/8	25	24
PAA10	00404	336.4-1/0	400-1/0 sol	1/0-8	1/0 str-8 sol	3/8	12	28
PAA12	00405	4/0-2	4/0 str.-2 sol	4/0 - 2	4/0 str-2 sol	1/2	12	43
PAA400	00406	336.4-1/0	400-1/0 str	336.4-1/0	400-1/0 str	1/2	6	128

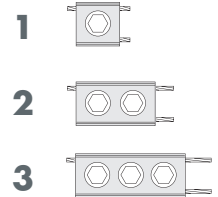
### PREFILLED WITH OXIDE INHIBITOR

PAA29	00411	2-6	2 str-6 sol	2-6	2 STR.-6 sol	5/16	25	14
PAA339	00412	1/0-6	1/0 str-6 sol	1/0-6	1/0 str-6 sol	3/8	25	16
PAA49	00413	1/0-6	1/0 str-6 sol	1/0-6	1/0 str-6 sol	3/8	25	19
PAA59	00414	1/0-8	1/0 str-8 sol	1/0-8	1/0 str-8 sol	3/8	25	22
PAA69	00415	1/0-8	2/0 st.-8 sol	1/0-8	2/0 str-8 sol	3/8	25	24
PAA129	00417	4/0-2	4/0 str-2 sol	4/0-2	4/0 str-2 sol	1/2	12	43

### EXTRUDED ALUMINUM PARALLEL GROOVE CLAMPS



High strength aluminum extruded alloy fittings assembled with steel or anodized high strength aluminum flat washers for heavy duty service entrance or for use as heavy duty distribution armor rod clamps. The serrated grooves provide increased contact. Supplied pre-filled with oxide inhibitor. For galvanized steel hardware, add the suffix -SH to each part number.

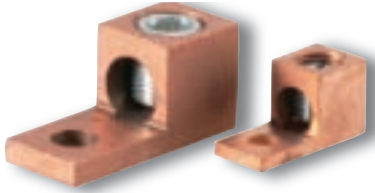


CAT. NO.	UPC CODE	FIG. NO.	CONDUCTOR RANGE AWG AND ACSR AND AR			APPROXIMATE DIMENSIONS			
			A MAIN	WIRE DIA. RANGE IN	B TAP	BOLT RANGE IN	LENGTH IN	WIDTH IN	SIZE IN
PAE2121-9	00420	1	6 sol - 2/0 str, 6-2/0 ACSR, 6 str AR	.162/.447	6 sol - 2/0 str, 6-2/0 ACSR, 6 str AR	.162/.447	1-3/8	1-11/16	3/8
PAE4141-9	00421	1	2 sol - 4/0 str, 4-4/0 ACSR, 6-4 str AR	.250/.563	2 sol - 4/0 str, 4-4/0 ACSR, 6-4 str AR	.250/.563	1-1/2	1-5/16	3/8
PAE3921-9	00422	1	3/0 str - 400MCM, 3/0-397.5 18/1 ACSR, 4str-2/0str AR	.470/.781	6 sol - 2/0 str, 6-2/0 ACSR, 6 str AR	.162/.447	1-3/4	2-3/16	1/2
PAE9921-9	00426	1	400MCM-1000MCM, 397.5 18/1-795 ACSR, 3/0 str-397.5 AR	.729/1.153	6 sol - 2/0 str, 6-2/0 ACSR, 6 str AR	.162/.447	2-1/4	2-13/16	5/8
PAE9939-9	00427	2	400MCM-1000MCM, 397.5 18/1-795 ACSR, 3/0 str-397.5 AR	.729/1.153	3/0 str - 400MCM, 3/0-397.5 18/1 ACSR, 4str-2/0str AR	.470/.781	4-1/2	3-1/8	5/8
PAE9999-9	00428	3	400MCM-1000MCM, 397.5 18/1-795 ACSR, 3/0 str-397.5 AR	.729/1.153	400MCM-1000MCM, 397.5 18/1-795 ACSR, 3/0 str-397.5 AR	.729/1.153	6-3/4	3-1/2	5/8

# Connectors

## COPPER MECHANICAL CONNECTORS

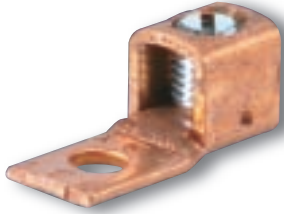
### SINGLE LUG - CU - EXTRUDED STYLE



Solid one-piece copper connector made from extruded copper for superior mechanical strength and excellent electrical performance. Steel screw. Suitable for use with copper wire only. Rated 600 volts.

CATALOG NO.	UPC CODE	WIRE RANGE	LENGTH	HEIGHT	WIDTH	MTG. HOLE	CARTON QTY.	CAT. NO.
6TC	00500	6-14	1.020	.400	.375	.193	100	3
4TC	00501	4-14	1.075	.440	.450	.265	100	4
2TC	00502	2-14	1.125	.484	.458	.265	100	5
0TC	00503	1/0-14	1.277	.660	.548	.265	50	8
4/0TC	00504	4/0-2	1.950	.950	.812	.390	25	13

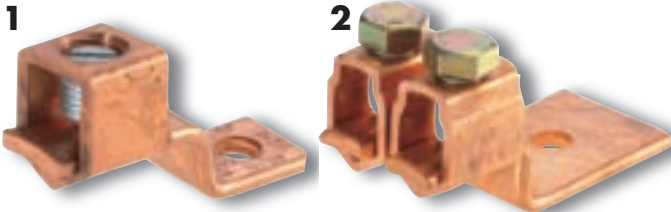
### SINGLE LUG - CU - TUBULAR STYLE



Copper connector made from tubular copper. Steel screw. Suitable for use with copper wire only. Rated 600 volts.

CATALOG NO.	UPC CODE	WIRE RANGE	LENGTH	HEIGHT	WIDTH	MTG. HOLE	CARTON QTY.	CAT. NO.
6TC-1	00505	6-14	.995	.778	.345	.203	100	2.1
4TC-1	00506	4-14	1.255	.831	.453	.258	100	3.5

### SINGLE AND DOUBLE SOLDERLESS LUGS



Made of 99.98% pure electrolytic copper. Steel-plated screws to prevent rusting. 25 to 70 ampere size have slotted head screws. Larger sizes have hex head screws. Rated 600 volts.

CATALOG NO.	UPC CODE	FIG. NO.	WIRE RANGE	MTG. HOLE	AMPERE RATING	CARTON QTY.	SHPG.WT. LBS./100
DE703	00510	1	10-14	1/8	25	100	1.3
DE704	00511	1	6-14	3/16	35	100	2.3
DE705	00512	1	2-8	1/4	70	100	5.1
DE711	00513	1	4-14	1/4	70	50	3.2
DE706	00514	1	1/0-6	1/4	125	25	10.8
DE713	00515	1	3/0-4	3/8	175	18	17
DE707	00516	1	4/0-2	5/16	225	15	24.7
DE710	00517	1	350-1/0	3/8	300	10	50
DE708	00518	1	500-4/0	3/8	400	2	79.8
DE709	00519	1	1000-600	1/2	650	2	202.0
D899	00520	2	4/0-2	3/8	450	6	60
D900	00521	2	350-1/0	3/8	600	6	100
D901	00522	2	500-1/0	1/2	800	3	155
DE713SP*	00525	*	3/0-4	3/8	175	18	18

\*DE 713SP is plated and is supplied with a straight tang.

### COPPER SOLDERING LUGS - TYPE S



Made of pure electrolytic copper single hole, side formed with round ends. All lugs marked with ampere rating. Rated 600 volts.

CATALOG NO.	UPC CODE	AMPERES	SIZE	MAXIMUM WIRE SIZE	BOLT SIZE	CARTON QTY.	SHPG.WT. LBS./100
S-1	00540	25	3/16	10	11/64	100	0.4
S-2	00541	30-35	1/4	8	13/64	100	0.7
S-3	00542	45-50	5/16	6	13/64	100	1.3
S-4	00543	60-70	1/4	4	9/32	100	1.7
S-5	00544	90	7/16	2	9/32	50	2.8
S-6	00545	100-125	1/2	1/0	17/64	50	3.8
S-7	00546	150	9/16	2/0	13/32	50	5.0
S-8	00547	175	5/8	3/0	13/32	25	6.5
S-9	00548	200-225	11/16	4/0	13/32	25	8.5
S-10	00549	250	13/16	250	13/32	25	14
S-11	00550	325	15/16	400	13/32	10	24
S-13	00551	400	11/16	500	13/32	10	37

### SERVICE ENTRANCE CONNECTORS



Body and screw are of high-strength, corrosion-resistant copper alloy. Rated 600 volts.

CATALOG NO.	UPC CODE	MAXIMUM WIRE SIZE	CARTON QTY.	SHPG.WT. LBS./100
EC12	00560	12 str.	100	1
EC6	00561	6 str.	100	3
EC4	00562	4 str.	100	4
EC 2	00563	2 str.	100	6

### FLEXIBLE CABLE SLEEVES



- For use with fine-stranded and flexible wire
- Made from copper tube and plated for corrosion resistance.
- Belled end allows for easy cable insertion.

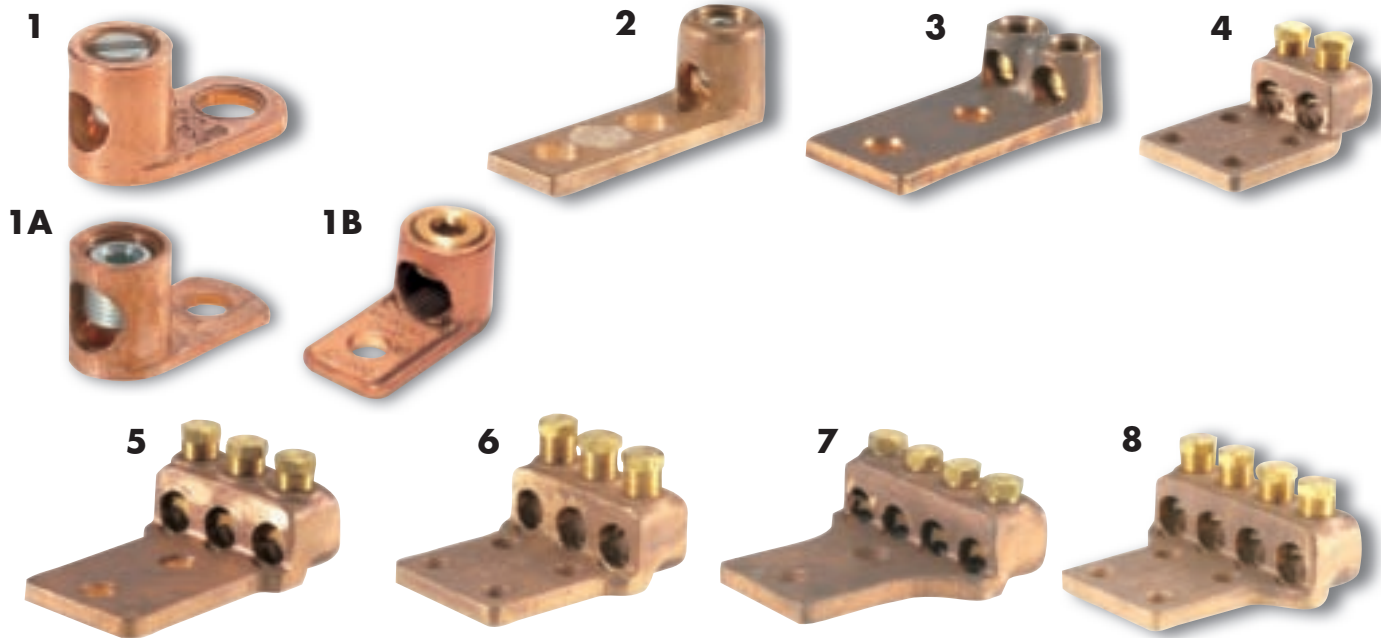
CAT. NO.	UPC CODE	SLEEVE LD.	COMM. CABLE SIZE	APPROX. CONDUCTOR DIA.			LENGTH	USE WITH MECHANICAL CONNECTOR SIZE	CTN. QTY.	
				COMM. CABLE	CLASS M WELDING	CLASS H				DIESEL LOCOMOTIVE
FS008	19101	0.180	8 AWG	0.146	0.162	0.167	0.140	0.4724	4 AWG	100
FS006	19104	0.236	6 AWG	0.184	0.215	0.210	0.180	0.4724	4 AWG	100
FS004	19107	0.291	4 AWG	0.232	0.269	0.266	0.240	0.4724	1/0 AWG	50
FS002	19110	0.336	2 AWG	0.292			0.325	0.5906	1/0 AWG	50

When using fine and extra-fine stranded wire, we recommend a compression connector when possible. If you are unable to use a compression connector, we suggest that you use flexible cable sleeves to ensure that fine-stranded wires are not broken or weakened when making the connection. Sleeves ensure that the circular shape of the conductor is maintained, thereby reducing stress points in the connection.

# Connectors

## SPLIT BOLT, POST & TAP CONNECTORS

### COPPER & CAST BRONZE TERMINAL LUGS - TYPE TL



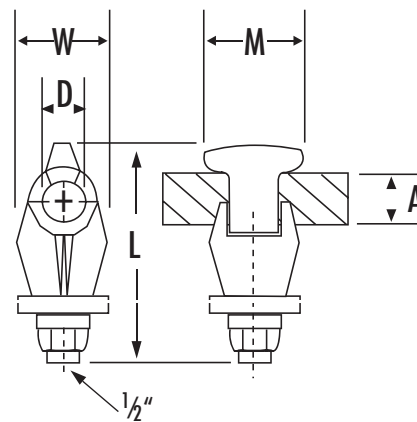
CATALOG NO.	UPC CODE	WIRE RANGE		LENGTH	HEIGHT	WIDTH	BOLT HOLE SIZE	AMP. NEC.	FIG. NO.	CARTON QTY.	SHPG. WT. LBS./100
		MAX.	MIN.								
TL8	00570	8 str	14 sol	.813	.375	.375	3/16	35	1	100	2
TL4	00571	4 str	14 sol	1.125	.563	.500	1/4	70	1	100	3
TL1/0	00572	1/0 str	4 sol	1.500	.813	.750	5/16	125	1A	50	12
TL250	00573	250 MCM	1/0 str	1.938	1.000	.938	3/8	250	1A	25	23
TL500	00574	500 MCM	4/0 str	3.000	1.500	1.375	1/2	400	1B	10	57
TL1000	00575	1000 MCM	500 str	3.938	1.938	2.000	1/2	600	1B	4	155
TL1/0-L2	00580	1/0 str	4 sol	2.688	.875	.813	5/16	125	2	40	25
TL250-L2	00581	250 MCM	1/0 str	3.000	1.000	1.125	3/8	250	2	15	38
TL 500-L2	00582	500 MCM	300 MCM	4.500	1.438	1.375	1/2	500	2	6	75
TL1000-L2	00583	1000 MCM	750 MCM	4.938	1.938	2.000	1/2	650	2	4	165
TL250-2L2	00584	300 MCM	4/0 str	4.375	1.125	1.938	1/2	500	3	10	80
TL500-2L2	00585	500 MCM	300 MCM	4.500	1.500	2.500	1/2	800	3	6	175
TL500-2L4	00586	500 MCM	300 MCM	4.500	1.500	2.875	1/2	800	4	4	205
TL1000-2L4	00587	1000 MCM	750 MCM	5.500	2.000	3.875	1/2	1300	4	2	330
TL250-3L2	00588	300 MCM	4/0 str	4.375	1.250	3.000	1/2	750	5	4	105
TL500-3L2	00589	500 MCM	300 MCM	4.500	1.500	3.625	1/2	1200	5	3	230
TL500-3L4	00590	500 MCM	300 MCM	4.500	1.500	3.625	1/2	1200	6	3	230
TL1000-3L4	00591	1000 MCM	750 MCM	5.563	2.000	5.688	1/2	1950	6	2	440
TL250-4L2	00592	300 MCM	4/0 str	4.313	1.250	4.000	1/2	1000	7	3	130
TL500-4L2	00593	500 MCM	300 MCM	4.500	1.500	4.938	1/2	1600	7	2	285
TL500-4L4	00594	500 MCM	300 MCM	4.500	1.500	4.938	1/2	1600	8	2	285
TL1000-4L4	00595	1000 MCM	750 MCM	5.313	2.000	7.500	1/2	2600	8	1	540

## BRONZE EYEBOLT TERMINALS FOR COPPER CABLE TO COPPER FLAT

### SINGLE TYPE

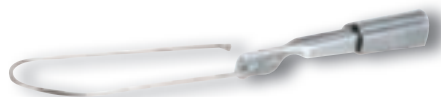


This versatile connector can be used for many applications including flat studs, bus, spades and for grounding cables to steel substation structures. The bodies are manufactured from corrosion resistant, high conductivity copper alloy. The eyebolts are made from a special aluminum bronze alloy for maximum strength. Supplied with silicon bronze or stainless steel nuts and lock washers.



CATALOG NO.	UPC CODE	CONDUCTOR RANGE	WIRE DIA. RANGE (IN)	D		L		M		W		J
				IN	MM	IN	MM	IN	MM	IN	MM	IN
<b>FOR 1/4" THICK BAR</b>												
BESN-250N	02150	6 sol - 250MCM	.162/.575	5/8	16	2-9/16	65	1-1/4	32	1-1/16	27	1/2
BESN-350N	02151	2 sol - 350MCM	.258/.682	13/16	21	3-1/16	78	1-1/4	32	1-5/16	33	1/2
BESN-500N	02152	1/0 sol - 500MCM	.325/.815	15/16	24	3-1/4	83	1-1/4	32	1-7/16	37	1/2
BESN-750	02153	350-750MCM	.682/.999	1 1/16	27	3 13/16	81	1-1/2	38	1-19/32	40	1/2
<b>FOR 1/4" TO 3/4" THICK BAR</b>												
BESN-2/ONE	02156	8 sol - 2/0 str	.128/.419	7/16	11	2-3/4	70	1-3/8	35	1	25	1/2
BES-2/OE	02157	8 sol - 2/0 str	.128/.419	7/16	11	2-1/2	64	1-1/4	32	1	25	3/8
BESN-250NE	02158	6 sol - 250MCM	.162/.575	5/8	16	3-1/16	78	1-1/4	32	1-1/16	27	1/2
BESN-350NE	02159	2 sol - 350MCM	.258/.682	13/16	21	3-5/16	84	1-1/4	32	1-5/16	33	1/2
BESN-500NE	02160	1/0 sol - 500MCM	.325/.815	15/16	24	3-3/4	95	1-1/4	32	1-7/16	37	1/2
BESN-750E	02161	350-750MCM	.682/.999	1 1/16	27	3 11/16	94	1-1/2	38	1-19/32	40	1/2

## ALUMINUM SERVICE WEDGE CLAMPS



- For dead-ending self-supporting drop wire.
- Saves conductor – drop wire may be cut to exact length.
- Can be attached to bare neutral in any point in the span.
- Adjustment in drop wire sag are easily made.
- Grips ACSR, AAAC or aluminum conductor.

CAT. NO.	UPC CODE	ACSR	WIRE RANGE ALUM.	AAAC	DIAMETER	LENGTH	CARTON QTY.	SHPG. WT. LBS./100
W62-1	08280	2-6	1 str-6 sol	2-6	2.375	12.00	12	17
W62-1FC	08290	2-6	1 str-6 sol	2-6	flex	17.50		
W20-1	08281	1/0-4	2/0 str-2 sol	1/0-4	2.375	12.50	8	27
W20-1FC	08291	1/0-4	2/0 str-2 sol	1/0-4	flex	18.50		
W40-1	08282	4/0-2/0	4/0 str-2/0 sol	4/0-2/0	2.375	12.75	6	30
W40-1FC	08292	4/0-2/0	4/0 str-2/0 sol	4/0-2/0	flex	18.50		

# Connectors

## UTILITY CONNECTORS

### COPPER HOT LINE CLAMPS



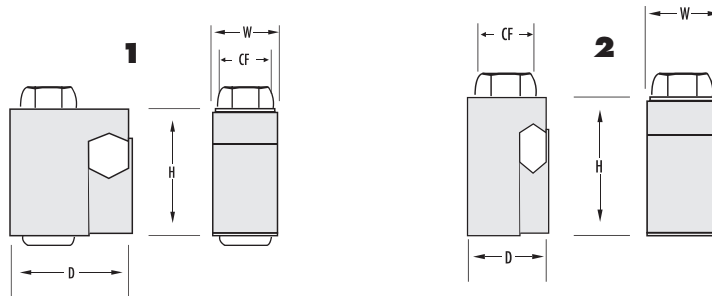
The clamping stem is manufactured from high-strength silicon bronze and the saddle is made of high-strength copper alloy, ensuring continued clamping force on the main conductor. The threads of the clamping stem are protected inside the body, preventing any damages due to arcing during installation or removal. The hot line clamp also has a double coil stainless steel washer that helps maintain continuous pressure on the main conductor regardless of conditions. A retainer pin captivates the saddle for easy installation.

CAT. NO.	UPC CODE	MAIN		TAP	
		CONDUCTOR RANGE	WIRE DIAMETER (IN)	CONDUCTOR RANGE	WIRE DIAMETER (IN)
HLC-2/0	02503	8 sol - 2/0 str	.128/.414	8 sol - 2/0 str	.128/.414
HLC-2/0P*	02505	8 sol - 2/0 str	.128/.414	8 sol - 2/0 str	.128/.414
HLC-3974AP	02573	6 sol - 400 MCM	.162/.745	6 sol - 4/0 str	.128/.414
HLC-400	02504	6 sol - 400MCM	.162/.745	8 sol - 4/0 str	.128/.547
HLC-400P*	02506	6 sol - 400MCM	.162/.745	8 sol - 4/0 str	.128/.414

\*Suffix "P" indicates that the item is tin plated.

### SILICON BRONZE VISE GRIP CONNECTORS

Manufactured from cast bronze and supplied with a silicon bronze hex bolt for stronger, more rigid connector of the vise-type grip. Design creates more grip on the conductor and full compression with any conductor combination. Easy to install.



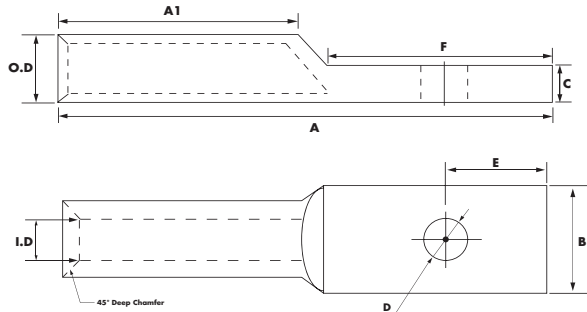
CAT. NO.	UPC CODE	CONDUCTOR RANGE		WIRE DIA. RANGE (IN)	FIG. NO.	APPROXIMATE DIMENSIONS							
		MAX. 2 CONDUCTORS	MIN. 2 CONDUCTORS			STUD DIA. NO. THREADS IN	HEX CF IN	D		H		W	
								IN	MM	IN	MM	IN	MM
VG-6*	02257	6 sol	8 sol	.128/.162	1	1/4 - 28	3/8	3/4	19	1	25.4	5/8	15.8
VG-4	02258	4 str	6 sol	.162/.232	1	5/16 - 24	9/16	3/16	20.6	1-5/32	29.4	5/8	15.8
VG-2	02259	2 str	4 sol	.204/.292	2	5/16 - 24	9/16	13/16	20.6	1-3/8	34.9	13/16	20.6
VG-2/0	02260	2/0 str	2 sol	.258/.419	2	3/8 - 24	9/16	1-1/8	28.5	1-7/8	47.6	31/32	24.6
VG-4/0	02261	4/0 str	1/0 sol	.325/.528	2	3/8 - 24	9/16	1-3/16	30.1	2-1/8	53.9	15/16	23.8

\*Supplied with slotted hex head bolts.

### ALUMINUM LUGS - AL SERIES - ONE HOLE



Produced from high conductivity Aluminum tubing. Center stop assures proper cable installation. Tin plated to provide corrosion resistance. Marked with die index. Connector bores are coated with oxide inhibitor and capped. Listed for 35 KV maximum when properly installed.



See Appendix A for proper Connection instructions PG 81

#### ALUMINUM OR COPPER CABLE ONLY

CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE	
	SIZE	STRANDING		SIZE	STRANDING
AL6-14	6	7 or 19	AL4/0-38	4/0	19 or 37
AL4-14	4	7 or 19	AL4/0-48	4/0	19 or 37
AL4-56	4	7 or 19	AL250-48	250	37 or 61
AL4-38	4	7 or 19	AL300-38	300	37 or 61
AL2-14	2	7 or 19	AL300-48	300	37 or 61
AL2-38	2	7 or 19	AL350-38	350	37 or 61
AL1-14	1	19 or 37	AL350-48	350	37 or 61
AL1-38	1	19 or 37	AL400-48	400	37 or 61
AL1/0-38	1/0	19 or 37	AL500-48	500	37 or 61
AL1/0-48	1/0	19 or 37	AL500-58	500	37 or 61
AL2/0-38	2/0	19 or 37	AL600-48	600	61 or 91
AL2/0-48	2/0	19 or 37	AL600-58	600	61 or 91
AL3/0-38	3/0	19 or 37	AL750-48	750	61 or 91
AL3/0-48	3/0	19 or 37	AL750-58	750	61 or 91
AL4/0-38	4/0	19 or 37	AL1000-58	1000	61 or 91
AL4/0-48	4/0	19 or 37			

CATALOG NO.	UPC CODE	STUD SIZE	STRIP LENGTH (IN)	COLOR CODE	ID	OD	A	A1	B	C	D	E	F
AL8-14	03024	1/4	9/16	blue	0.16	0.30	1.56	0.56	0.50	0.13	0.25	0.25	0.63
AL6-14	03000	1/4	7/8	gray	0.20	0.34	2.00	0.86	0.57	0.10	0.25	0.38	0.88
AL4-14	03001	1/4	1	green	0.25	0.44	2.31	1.10	0.57	0.19	0.25	0.38	0.88
AL4-56	03026	5/16	1	green	0.25	0.44	2.31	1.10	0.57	0.19	0.33	0.38	0.88
AL4-38	02998	3/8	1	green	0.25	0.44	2.39	1.10	0.65	0.15	0.41	0.38	0.88
AL2-14	03002	1/4	1	pink	0.31	0.53	2.50	1.20	0.71	0.22	0.25	0.38	0.88
AL2-38	03025	3/8	1	pink	0.31	0.53	2.50	1.20	0.71	0.22	0.41	0.38	0.88
AL1-14	03003	1/4	1-1/16	gold	0.35	0.53	2.50	1.20	0.73	0.18	0.25	0.38	0.88
AL1-38	02999	3/8	1-1/16	gold	0.35	0.53	2.50	1.20	0.73	0.18	0.41	0.38	0.88
AL1/0-38	03004	3/8	1-1/8	tan	0.34	0.63	2.81	1.20	0.85	0.24	0.41	0.50	0.93
AL1/0-48	03005	1/2	1-1/8	tan	0.34	0.63	2.81	1.20	0.85	0.24	0.51	0.50	0.93
AL2/0-38	03006	3/8	1-1/4	olive	0.44	0.69	2.81	1.30	0.94	0.24	0.33	0.50	1.12
AL2/0-48	03007	1/2	1-1/4	olive	0.44	0.69	2.81	1.30	0.94	0.24	0.51	0.50	1.12
AL3/0-38	03008	3/8	1-3/8	ruby	0.48	0.76	3.00	1.40	1.03	0.28	0.41	0.50	1.12
AL3/0-48	03009	1/2	1-3/8	ruby	0.48	0.76	3.00	1.40	1.03	0.28	0.51	0.50	1.12
AL4/0-38	03010	3/8	1-7/16	white	0.55	0.84	3.43	1.40	1.15	0.29	0.41	0.56	1.31
AL4/0-48	03011	1/2	1-7/16	white	0.55	0.84	3.43	1.40	1.15	0.29	0.51	0.56	1.31
AL250-48	03012	1/2	1-9/16	red	0.60	0.92	3.50	1.50	1.26	0.32	0.51	0.63	1.31
AL300-48	03013	1/2	1-5/8	blue	0.65	1.01	4.00	1.60	1.37	0.35	0.51	0.63	1.50
AL350-38	03028	3/8	1-3/4	brown	0.72	1.12	4.25	1.90	1.52	0.39	0.41	0.69	1.50
AL350-48	03014	1/2	1-3/4	brown	0.72	1.12	4.25	1.90	1.52	0.39	0.51	0.69	1.50
AL400-48	03015	1/2	2	green	0.76	1.19	4.68	2.30	1.60	0.42	0.51	0.69	1.50
AL500-48	03016	1/2	2-1/16	pink	0.84	1.32	4.75	2.50	1.79	0.47	0.51	0.75	1.50
AL500-58	03017	5/8	2-1/16	pink	0.84	1.32	4.75	2.50	1.79	0.47	0.67	0.75	1.50
AL600-48	03018	1/2	2-3/16	black	0.92	1.44	5.12	2.60	1.96	0.51	0.51	0.75	1.87
AL600-58	03019	5/8	2-3/16	black	0.92	1.44	5.12	2.60	1.96	0.51	0.67	0.75	1.87
AL750-48	03020	1/2	2-7/16	red	1.03	1.60	6.12	3.20	2.19	0.55	0.51	0.94	2.00
AL750-58	03021	5/8	2-7/16	red	1.03	1.60	6.12	3.20	2.19	0.55	0.67	0.94	2.00
AL1000-58	03022	5/8	2-3/4	brown	1.83	2.18	6.12	2.46	2.50	0.69	-	-	-

# Connectors

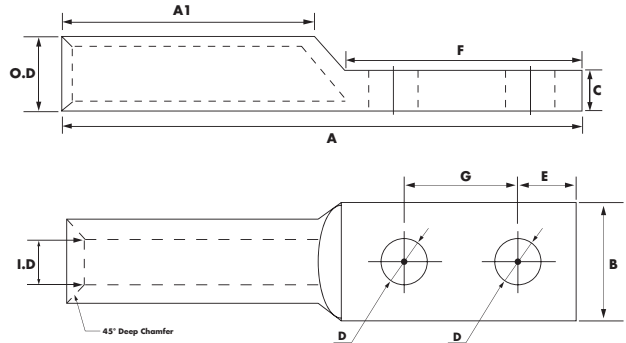
## DUAL RATED COMPRESSION CONNECTORS

### ALUMINUM LUGS - AL-N SERIES - TWO HOLE

**See Appendix A for proper Connection instructions PG 81**



Produced from high conductivity Aluminum tubing. Center stop assures proper cable installation. Tin plated to provide corrosion resistance. Marked with die index. Connector bores are coated with oxide inhibitor and capped. Listed for 35 KV maximum when properly installed.



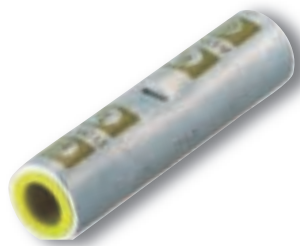
CAT. NO.	UPC CODE	STUD SIZE	STRIP LENGTH (IN)	COLOR CODE	ID	OD	A	A1	B	C	D	E	F	G
AL1/ON	03100	1/2	1-1/8	tan	0.39	0.63	4.75	1.20	0.85	0.24	0.51	0.63	3.19	1.75
AL2/ON	03101	1/2	1-1/4	olive	0.44	0.69	4.80	1.30	0.94	0.24	0.51	0.63	3.19	1.75
AL3/ON	03102	1/2	1-3/8	ruby	0.48	0.76	5.00	1.40	1.03	0.24	0.51	0.63	3.19	1.75
AL4/ON	03103	1/2	1-7/16	white	0.55	0.84	5.25	1.40	1.15	0.28	0.51	0.63	3.19	1.75
AL250N	03104	1/2	1-9/16	red	0.59	0.92	5.31	1.50	1.26	0.32	0.51	0.63	3.19	1.75
AL300N	03105	1/2	1-5/8	blue	0.65	1.01	5.50	1.60	1.37	0.35	0.51	0.63	3.19	1.75
AL350N	03106	1/2	1-3/4	brown	0.72	1.12	5.87	1.90	1.52	0.39	0.51	0.63	3.19	1.75
AL400N	03107	1/2	2	green	0.76	1.19	6.43	2.30	1.61	0.42	0.51	0.63	3.19	1.75
AL500N	03108	1/2	2-1/16	pink	0.84	1.32	6.50	2.50	1.79	0.47	0.51	0.63	3.19	1.75
AL600N	03109	1/2	2-3/16	black	0.92	1.44	6.75	2.60	1.96	0.51	0.51	0.63	3.19	1.75
AL750N	03110	1/2	2-7/16	red	1.03	1.60	7.37	3.20	2.19	0.55	0.51	0.63	3.19	1.75
AL1000N	03111	1/2	2-3/4	brown	1.83	2.18	7.88	2.98	2.46	0.66	0.51	0.63	3.19	1.75

#### ALUMINUM OR COPPER CABLE ONLY

CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE	
	SIZE	STRANDING
AL1/ON	1/0	19 or 37
AL2/ON	2/0	19 or 37
AL3/ON	3/0	19 or 37
AL4/ON	4/0	19 or 37
AL250N	250	37 or 61
AL300N	300	37 or 61
AL350N	350	37 or 61
AL400N	400	37 or 61
AL500N	500	37 or 61
AL600N	600	61 or 91
AL750N	750	61 or 91
AL1000N	1000	61 or 91

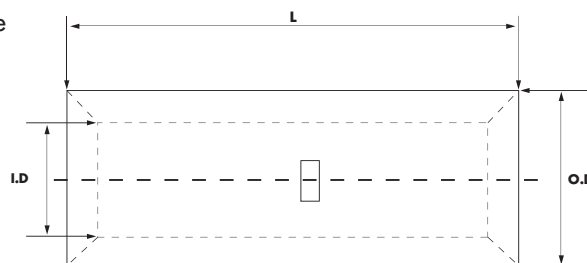
## TINNED ALUMINUM SPLICES - ASC-T SERIES

**DUAL RATED** 



Produced from high conductivity Aluminum tubing. Center stop assures proper cable installation. Tin plated to provide corrosion resistance. Marked with die index. Connector bores are coated with oxide inhibitor and capped. Listed for 35 KV. For applications greater than 2000 volts, consult the cable manufacturer for voltage stress relief instructions.

See Appendix A for proper Connection instructions PG 81



CATALOG NO.	UPC CODE	STRIP LENGTH (IN)	COLOR CODE	ID	OD	LENGTH
ASC8T	03216	3/4	blue	0.16	0.30	1.75
ASC6T	03200	7/8	gray	0.20	0.34	1.63
ASC4T	03201	1	green	0.25	0.44	2.00
ASC2T	03202	1-1/4	pink	0.31	0.53	2.38
ASC1/OT	03204	1-1/8	tan	0.39	0.63	2.50
ASC2/OT	03205	1-1/4	olive	0.44	0.69	2.63
ASC3/OT	03206	1-3/8	ruby	0.48	0.76	2.88
ASC4/OT	03207	17/16	white	0.55	0.84	3.13
ASC250T	03208	19/16	red	0.59	0.92	3.25
ASC300T	03209	1-5/8	blue	0.65	1.01	3.25
ASC350T	03210	1-3/4	brown	0.72	1.12	3.88
ASC400T	03211	2	green	0.76	1.19	4.88
ASC500T	03212	2-1/16	pink	0.84	1.32	5.00
ASC600T	03213	2-3/16	black	0.92	1.44	5.13
ASC750T	03214	2-7/16	red	1.03	1.60	5.38

ALUMINUM OR COPPER CABLE ONLY

CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE	
	SIZE	STRANDING
ASC6T	6	7 or 19
ASC4T	4	7 or 19
ASC2T	2	7 or 19
ASC1/OT	1/0	7 or 19
ASC2/OT	2/0	7 or 19
ASC3/OT	3/0	7 or 19
ASC4/OT	4/0	7 or 19
ASC250T	250	7 or 19
ASC300T	300	7 or 19
ASC350T	350	19 or 37
ASC400T	400	19 or 37
ASC500T	500	19 or 37
ASC600T	600	19 or 37
ASC750T	750	19 or 37
ASC1000T	1000	19 or 37

### STRANDED BI-METALLIC PIN TERMINALS - PT SERIES



- Designed to facilitate termination of aluminum conductors
- Tin-plated stranded copper pin
- Connector bores are coated with oxide inhibitor
- Supplied with EPDM insulating cover
- UL 486B listed
- Rated 600 volts

CATALOG NO.	UPC CODE	WIRE SIZE	STR. CU PIN	COLOR CODE	INSTALLING DIES	LENGTH OF BODY	LENGTH OF PIN	OVERALL LENGTH	O.D.	CTN. QTY.	SHPG.WT. LBS./100
PT6	03300	6	#8	none	BG,52	1.250	.875	2.125	.640	25	8
PT4	03301	4	#6	none	BG,52	1.250	.875	2.125	.640	25	8
PT2	03302	2	#4	none	BG,52	1.344	.875	2.219	.640	25	8
PT1	03303	1	#3	none	BG,52	1.344	1.000	2.344	.640	10	8
PT1/0	03304	1/0	#2	red	324,76	1.594	1.250	2.844	.906	10	20
PT2/0	03305	2/0	#1	red	324,76	1.594	1.250	2.844	.906	10	20
PT3/0	03306	3/0	1/0	red	324,76	1.782	1.375	3.157	.906	10	22
PT4/0	03307	4/0	2/0	red	324,76	1.782	1.375	3.157	.906	10	24
PT250	03308	250	3/0	brown	299,87H	1.938	1.500	3.438	1.155	10	40
PT300	03309	300	4/0	brown	299,87H	2.062	1.625	3.687	1.155	10	42
PT350	03310	350	4/0	brown	299,87H	2.062	1.625	3.687	1.155	10	45
PT400	03311	400	250	pink	300,106H	2.087	1.875	3.962	1.375	10	49
PT500	03312	500	350	pink	300,106H	2.087	1.875	3.962	1.375	10	53
PT600	03313	600	350	yellow	936,115H	2.625	1.875	4.500	1.500	3	80
PT750	03314	750	500	yellow	936,115H	2.625	2.000	4.625	1.500	3	82

### SOLID PIN TERMINALS FOR COPPER AND ALUMINUM CONDUCTORS - PTS SERIES



All-aluminum pin terminal designed for termination of both aluminum and copper conductors. The solid pin is made of aluminum and is tin-plated and pre-filled with oxide inhibitor. A cover is provided for quick installation. Rated 600 volts.

CAT. NO.	UPC CODE	WIRE SIZE	PIN DIA.	PIN SIZE	COLOR CODE	INSTALLING DIES	LENGTH OF BODY	LENGTH OF PIN	OVERALL LENGTH	O.D.	CTN. QTY.	SHPG.WT. LBS./100
PTS6	03340	6 str	.23	4	tan	8,296,50	1.17	0.68	1.85	0.60	25	8
PTS4	03341	4 str	.23	4	tan	8,296,50	1.17	0.68	1.85	0.60	25	8
PTS2	03342	2 str	.23	4	tan	8,296,50	1.17	0.68	1.85	0.60	25	8
PTS1	03343	1 str	.26	3	tan	8,296,50	1.17	0.84	2.01	0.60	10	8
PTS1/0	03344	1/0 str	.29	2	tan	8,296,50	1.17	0.84	2.01	0.60	10	8
PTS2/0	03345	2/0 str	.33	1	white	12,298,66	1.37	0.84	2.21	0.85	10	10
PTS3/0	03346	3/0 str	.37	1/0	white	12,298,66	1.37	1.22	2.59	0.85	10	10
PTS4/0	03347	4/0 str	.42	2/0	white	12,298,66	1.37	1.22	2.59	0.85	10	10
PTS250	03348	250 MCM	.47	3/0	brown	15,299,87	1.41	1.22	2.63	1.10	10	16
PTS300	03349	300 MCM	.53	4/0	brown	15,299,87	1.41	1.34	2.75	1.10	10	16
PTS350	03360	350 MCM	.57	250	brown	15,299,87	1.41	1.34	2.75	1.10	10	16
PTS400	03361	400 MCM	.63	300	pink	16A,300,99	1.48	1.60	3.08	1.31	10	20
PTS500	03362	500 MCM	.68	350	pink	16A,300,99	1.48	1.60	3.08	1.31	10	20
PTS600	03363	600 MCM	.73	400	yellow	18,936,115	2.03	1.64	3.67	1.46	3	38
PTS750	03364	750 MCM	.81	500	yellow	18,936,115	2.03	1.76	3.79	1.46	3	38

### OFFSET PIN TERMINALS - PTO SERIES



All-aluminum pin terminal designed for termination of aluminum and copper conductors. Pin is offset for use in tight spaces and for ease of installation in side-by-side terminations. The solid pin is made of aluminum and is tin-plated and pre-filled with oxide inhibitor. A cover is provided for quick insulation. Rated 600 volts.

CAT. NO.	UPC CODE	WIRE SIZE	PIN DIA.	PIN SIZE	COLOR CODE	INSTALLING DIES	LENGTH OF BODY	LENGTH OF PIN	OVERALL LENGTH	O.D.	CTN. QTY.	SHPG.WT. LBS./100
PTO-2/0	03320	2/0	.33	1	white	12,298,66	1.57	1.13	2.70	.85	10	10
PTO-3/0	03321	3/0	.37	1/0	white	12,298,66	1.55	1.25	2.80	.85	10	10
PTO-4/0	03322	4/0	.42	2/0	white	12,298,66	1.52	1.28	2.80	.85	10	10
PTO-250	03323	250	.47	3/0	brown	15,299,87	1.52	1.28	3.00	1.10	10	16
PTO-300	03324	300	.53	4/0	brown	15,299,87	1.63	1.47	3.10	1.10	10	16
PTO-350	03325	350	.57	250	brown	15,299,87	1.63	1.47	3.10	1.10	10	16
PTO-400	03326	400	.63	300	pink	16A,300,99	1.71	1.69	3.40	1.32	10	20
PTO-500	03327	500	.68	350	pink	16A,300,99	1.71	1.69	3.40	1.32	10	20
PTO-600	03328	600	.73	400	yellow	18,936,115	2.27	1.73	4.00	1.46	3	38
PTO-750	03329	750	.81	500	yellow	18,936,115	2.47	1.73	4.20	1.46	3	38

# Connectors

## DUAL RATED COMPRESSION CONNECTORS

### WIDE RANGE TAP CONNECTORS - WR SERIES



- For combinations of aluminum and aluminum-copper conductors
- Standard compression tools and dies install in all sizes
- Formable ribs provide broader contact area
- Fold-in tabs provide positive tab interlock as tool closes
- Made of 1350 aluminum alloy
- All connectors reversible

CAT. NO.	UPC CODE	CONDUCTOR RANGE										INSTALLATION INFO						
		STANDARD CONDUCTOR						COMPACT CONDUCTOR				CONN. LENGTH	DIE	NO. INDENTS		CTN. QTY.	SHPG.WT. LBS./100	
		A GROOVE			B GROOVE			A GROOVE		B GROOVE				MECH. TOOL	HYD. TOOL			
ACSR	STR	SOL	ACSR	STR	SOL	ACSR	STR	ACSR	STR	ACSR	STR							
WR9	00280	-	-	1	-	8	8						13/16	5/8 BG	3	-	50	4
		3	2	2	-	10	10											
		4	3	3	-	12	12											
		6	4	4	-	14	14											
		6	-	-	-	-	-											
WR139	00281	-	2/0	-	-	-	-						1 1/2	0	4	2	25	11
		1/0	1/0	-	-	-	-											
		1	1	1	-	-	6											
		2	2	2	-	8	8											
		3	3	-	-	10	10											
WR149	00282	4	-	-	-	-	2	-	2	-	2		1 1/2	0	5	2	25	11
		-	3	3	-	3	3	-	3	3	3							
		4	4	4	4	4	4	4	4	4	4							
		6	6	6	6	6	6	6	6	6	6							
		6	6	6	6	6	6	6	6	6	6							
WR159	00283	-	1	-	-	1	-	1	1	1	1		1 7/16	0	4	2	25	11
		2	2	2	2	2	2	2	2	2	2							
		3	3	3	3	3	3	3	3	3	3							
		4	4	4	4	4	4	4	4	4	4							
		6	6	6	6	6	6	6	6	6	6							
WR179	00284	1/0	1/0	-	-	-	2	-	2/0	-	2		1 3/4	0	5	2	25	16
		1	1	1	-	3	3	1/0	1/0	-	3							
		2	2	-	4	4	4	1	1	4	4							
		3	-	-	6	6	6	2	2	6	6							
		-	-	3/0	-	-	1/0	-	-	-	-		1 11/16	0	5	2	25	16
WR189	00285	-	2/0	2/0	-	1	1	2/0	2/0	1	1							
		1/0	1/0	1/0	2	2	1/0	1/0	2	2	-							
		1	1	1	3	3	3	1	1	3	3							
		2	2	-	4	4	4	2	2	4	4							
		3	-	-	6	6	6	-	-	6	6							
WR199	00286	1/0	1/0	-	-	1	1	-	2/0	1	1		1 3/4	0	5	2	25	16
		1	1	1	2	2	2	1/0	1/0	2	2							
		2	2	-	3	3	-	1	1	3	-							
		3	-	-	4	4	-	2	2	4	-							
		1/0	1/0	-	1/0	1/0	-	-	2/0	-	2/0		1 7/8	D	5	2	25	16
WR219	00293	1	1	-	1	1	-	1/0	1/0	1/0	1/0							
		-	-	-	2	-	-	-	-	1	-							
		-	2/0	-	-	2/0	-	2/0	2/0	2/0	2/0		1 7/8	D	5	2	25	20
WR259	00294	1/0	1/0	-	1/0	1/0	-	1/0	1/0	1/0	1/0		1/0					
		1	-	-	1	-	-	-	-	-	-							

### WR SERIES CONTINUED

CAT. NO.	UPC CODE	CONDUCTOR RANGE										INSTALLATION INFO					
		STANDARD CONDUCTOR						COMPACT CONDUCTOR				CONN. LENGTH	DIE	NO. INDENTS		CTN. QTY.	SHPG.WT. LBS./100
		A GROOVE			B GROOVE			A GROOVE		B GROOVE				MECH. TOOL	HYD. TOOL		
		ACSR	STR	SOL	ACSR	STR	SOL	ACSR	STR	ACSR	STR						
WR279	00287	-	-	4/0	-	3/0	3/0	-	-	-	-	1 13/16	D	5	2	25	20
		-	3/0	3/0	2/0	2/0	2/0	3/0	3/0	3/0	3/0						
		2/0	2/0	2/0	1/0	1/0	-	2/0	2/0	2/0	2/0						
		1/0	4/0	-	1	-	-	1/0	1/0	1/0	1/0						
WR289	00288	1	-	-	-	-	-	-	-	-	-	1 13/16	D	5	2	25	20
		-	-	-	-	-	1/0	-	-	-	-						
		-	-	-	-	1	1	-	-	1	1						
		-	-	4/0	2	2	2	3/0	3/0	2	2						
WR299	00295	-	3/0	3/0	3	3	3	2/0	-	3	3	1 1/2	D	4	2	25	22
		2/0	2/0	-	4	4	4	-	-	4	4						
		1/0	-	-	6	6	6	-	-	6	6						
		-	-	-	6	6	6	-	-	6	6						
WR359	00296	-	-	-	-	1/0	-	-	-	-	1 7/8	D	4	2	25	22	
		4/0	4/0	-	1	1	1	266	266	1/0	1/0						
		3/0	3/0	-	2	2	-	-	250	1	1						
		-	-	-	3	3	-	4/0	7/0	2	2						
WR369	00297	-	-	-	4	4	-	3/0	-	-	-	1 7/8	D	5	2	25	22
		4/0	4/0	-	1/0	1/0	1/0	266	266	1/0	1/0						
		3/0	3/0	-	1	1	1	-	250	1	1						
		2/0	-	-	2	2	2	4/0	4/0	2	2						
WR379	00289	-	-	-	3	3	-	3/0	3/0	3	-	1 13/16	D	5	2	25	22
		-	-	-	4	4	-	-	-	4	-						
		-	-	-	6	6	6	-	-	6	6						
		4/0	4/0	-	3	3	3	266-18/1	266	2	2						
WR389	00290	4/0	4/0	-	3	3	3	250	250	3	3	2 13/16	D	6	2	25	24
		3/0	-	-	4	4	4	4/0	4/0	4	4						
		-	-	-	6	6	6	-	-	6	6						
		-	-	-	-	-	-	266	266	-	-						
WR399	00291	4/0	4/0	-	2/0	2/0	-	250	3/0	3/0	-	2 3/16	D	7	3	25	24
		3/0	3/0	-	2/0	2/0	-	4/0	4/0	2/0	2/0						
		-	-	-	1/0	-	-	3/0	-	-	-						
		-	-	-	2/0	2/0	2/0	266-18/1	266	-	-						
WR419	00292	4/0	4/0	-	1/0	1/0	-	4/0	4/0	2/0	2/0	2 7/16	D	7	3	25	24
		3/0	3/0	-	1	-	-	3/0	-	1/0	1/0						
		-	-	-	-	-	-	266-18/1	266-18/1	266-18/1	266						
		4/0	4/0	-	4/0	4/0	-	-	250	-	250						
			3/0	3/0	-	3/0	3/0	4/0	4/0	4/0	4/0						

# Connectors

## DUAL RATED COMPRESSION CONNECTORS

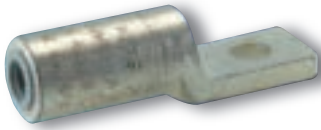
### INSULATING COVERS FOR WR SERIES TAP CONNECTORS



Hinged polyurethane cover for easy installation of WR Series tap connectors. Eliminates taping. Drain ports prevent accumulation of moisture. Ultraviolet stabilized.

CAT. NO.	UPC CODE	CAPACITY	COLOR	CTN. QTY.	SHPG. WT. LBS./100
C2	01110	All 5/8" O.D. sleeves - 2" long or less	black	12	4
C5	01111	All "O" die taps - 1/34" long or less	black	12	5
C7	01112	All "D" die taps - 2 1/2" long or less	black	6	7
C9	01113	All "N" die taps up to 2" long	black	4	11

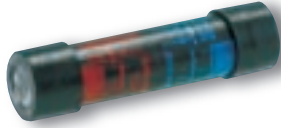
### METER SOCKET LUGS - CAL SERIES



Made of dead-soft EC grade aluminum. 840 common dies – one die installs on all sizes. For aluminum or copper conductors. Pre-filled with oxide inhibitor. Installing dies (color red): .840, 18, 324, TX, 76, 11A, 249.

CAT. NO.	UPC CODE	CONDUCTOR SIZE			BOLT SIZE	CTN. QTY.	SHPG. WT. LBS./100
		STRANDED	SOLID	COMPACT			
CAL4	03251	4	3	4	3/8	12	15
CAL2	03253	2	1	2	3/8	12	15
CAL1	03254	1	1/0	1	3/8	12	15
CAL1-48	03264	1	1/0	1	1/2	12	15
CAL10	03255	1/0	2/0	1/0	3/8	12	15
CAL10-48	03265	1/0	2/0	1/0	1/2	12	15
CAL20	03256	2/0	3/0	2/0	3/8	12	15
CAL20-48	03266	2/0	3/0	2/0	1/2	12	15
CAL30	03257	3/0	4/0	3/0	3/8	12	15
CAL30-48	03267	3/0	4/0	3/0	1/2	12	15
CAL 40	03258	4/0	–	4/0	3/8	12	15
CAL40-48	03268	4/0	–	4/0	1/2	12	15

### PRE-INSULATED COMPRESSION SLEEVES - ISE SERIES



Pre-insulated service entrance compression sleeves for fast and easy installation with standard tools. For combinations of aluminum-aluminum and aluminum-copper conductors. Meets the requirements of ANSI C119.4. Rated 600 volts.

CAT. NO.	UPC CODE	CONDUCTOR RANGE			TAP	COLOR CODE	DIE	CTN. QTY.	SHPG. WT. LBS./100
		ACSR	MAIN AWG	ACSR					
ISE61	02800	—	8 str-6 sol	—	8 str -6 sol	5/8	50	7	
ISE62	02801	6	6 str-4 sol	—	10 str-8 sol	5/8	50	7	
ISE63	02802	6	6 str-4 sol	—	8 str-6 sol	5/8	50	7	
ISE64	02803	6	6 str-4 sol	6	6 str-4 sol	5/8	50	7	
ISE65	02804	4	3-4 str-2 sol	—	10 str-8 sol	5/8	50	7	
ISE66	02805	4	3-4 str-2 sol	—	8 str-6 sol	5/8	50	7	
ISE67	02806	4	3-4 str-2 sol	6	6 str-4 sol	5/8	50	7	
ISE68	02807	4	3-4 str-2 sol	4	3-4 str-2 sol	5/8	50	7	
ISE71	02809	2	1-2 str	6	6 str-4 sol	5/8	50	7	
ISE72	02810	2	1-2 str	4	3-4 str-2 sol	5/8	50	6	
ISE73	02811	2	1-2 str	2	1-2 str	5/8	50	6	
ISE76	02813	1/0	1/0	4	3-4 str-2 sol	5/8	50	6	
ISE77	02814	1/0	1/0	2	1-2 str	5/8	50	6	
ISE78	02815	1/0	1/0	—	1/0 str	5/8	50	6	
ISE135	02817	1/0	1/0, 2/0 str*	2	1-2 str	.840	12	24	
ISE136	02818	1/0	1/0, 2/0 str*	1/0	1/0 str, 2/0 com	.840	12	24	
ISE144	02819	2/0	2/0,3/0 str*	4	3-4 str-2 sol	.840	12	24	
ISE145	02820	2/0	2/0,3/0 str*	2	1-2 str	.840	12	24	
ISE146	02821	2/0	2/0,3/0 str*	1/0	1/0 str, 2/0 com	.840	12	24	
ISE147	02822	2/0	2/0,3/0 str*	2/0	2/0 str, 3/0 com	.840	12	24	
ISE154	02823	3/0	3/0,4/0 str*	4	3-4 str, 2 sol	.840	12	24	
ISE155	02824	3/0	3/0,4/0 str*	2	1-2 str	.840	12	24	
ISE156	02825	3/0	3/0,4/0 str*	1/0	1/0 str, 2/0 com	.840	12	24	
ISE158	02827	3/0	3/0,4/0 str*	3/0	3/0 str, 4/0 com	.840	12	23	
ISE164	02828	4/0	4/0 str	4	3-4 str-2 sol	.840	12	23	
ISE165	02829	4/0	4/0 str	2	1-2 str	.840	12	23	
ISE167	02831	4/0	4/0 str	2/0	2/0 str, 3/0 com	.840	12	23	
ISE168	02832	4/0	4/0 str	3/0	3/0 str, 4/0 com	.840	12	22	
ISE169	02833	4/0	4/0 str	4/0	4/0 str	.840	12	22	

\*Compact



# GENTLEMEN, START YOUR COMPRESSION

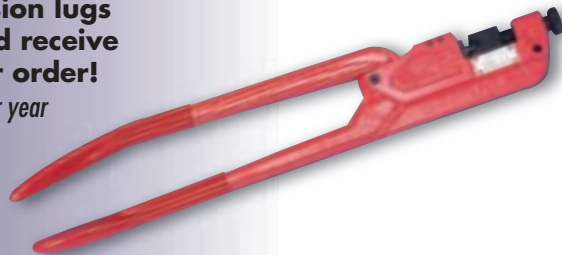
**Stock Up  
on Compression Lugs  
and Receive Valuable  
NSi Tools for **FREE!****

## NSi Offers You The New Startup Series

For Aluminum and Copper Compression Connectors

- 1** Place an order of compression lugs valued at \$700 or more and receive M-250 tool **FREE** with your order!

*Limit one (1) tool per customer per year*



- 2** Place an order for D500 and receive 365 days dating. Purchase \$7,000 compression lugs within the terms of the invoice and the tool is **FREE!**

*Limit one (1) tool per customer per year*



- 3** Place an order for D1000 and receive 365 days dating. Purchase \$10,000 compression lugs within the terms of the invoice and the tool is **FREE!**

*Limit one (1) tool per customer per year*





### **FD-94 GL SERIES STARTUP**

The FD-94 GL Series Startup contains our popular short barrel, peep hole copper compression connectors for wire sizes from 6 AWG to 600 MCM. Easy to install and the peep hole allows for visual inspection. Includes our standard barrel copper compression splices for 6 AWG to 600 MCM.



### **FD-96 AL SERIES STARTUP**

For the ultimate in flexibility. Dual rated aluminum compression connectors for use with copper or aluminum conductors for wire sizes from 6 AWG to 600 MCM. Also includes our dual rated aluminum compression splices for 6 AWG to 600 MCM. A very small investment gets you in the compression connector business.



### **FD-95 L SERIES STARTUP**

Features our heavy duty long barrel, copper compression connectors for wire sizes from 6 AWG to 600 MCM. Easy to install. Also includes our standard barrel copper compression splices for wire sizes from 6 AWG to 600 MCM.



# UTILITY CONNECTORS

» *MAXIMUM STRENGTH*

» *DEPENDABLE CONDUCTIVITY*

» *EASY TO INSTALL*

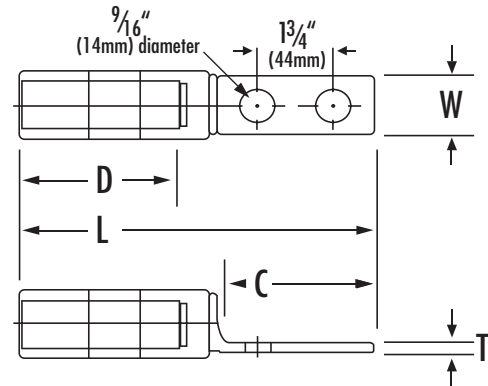


**...another great connection.**

### ALUMINUM COMPRESSION CONNECTORS WITH TWO MOUNTING HOLES, COPPER OR ACSR



Made of EC Grade high purity aluminum. Prefilled with oxide inhibitor and capped at the factory. Wire brushing of aluminum conductors is required before installation. The end of the cable is protected from the environment by completely closed transitions. Installed with existing crimping tools.



CAT. NO.	UPC CODE	CONDUCTOR RANGE	WIRE DIA. RANGE (IN)	APPROXIMATE DIMENSIONS										DIE SIZE	NO. OF CRIMPS	
				C		D		L		T		E				
				IN	MM	IN	MM	IN	MM	IN	MM	IN	MM			
SFAS-6N	02461	6 str, 4 sol, 4 compact, 6 ACSR	.184/.214													
SFAS-4N	02462	4 & 3 str, 2 sol, 2 compact, 4 ACSR	.232/.271													
SFAS-2N	02463	2 str, 1/0 sol, 1 compact, 2 ACSR	.292/.325	3-3/8	86	1-1/2	38	5-7/8	138	5/16	8	1	25	BG, 5/8 or 243	3	
SFAS-1N	02464	1 str, 2/0 sol, 1/0 compact, 1 ACSR	.332/.365													
SFAS-1/ON	02465	1/0 str, 1/0 ACSR	.373/.398													
SFAM-4N	02469	4 & 3 str, 2 sol, 2 compact, 4 ACSR	.232/.271													
SFAM-2N	02470	2 str, 1/0 sol, 1 compact, 2 ACSR	.292/.325													
SFAM-2/ON	02470	2/0 str, 4/0 str, 3/0 compact, 2/0 ACSR	.418/.460	3-3/8	86	1-7/8	48	5-15/16	151	1/4	6	1-1/4	32	840 or 249	3	
SFAM-3/ON	02471	3/0 str, 4/0 compact, 3/0 ACSR	.470/.502													
SFAM-250N	02472	4/0 & 250MCM, 250 & 300 compact, 4/0 ACSR	.520/.575													

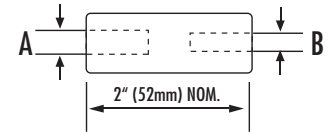
Other sizes available. Contact factory.

### ALUMINUM TO ALUMINUM OR COPPER TO COPPER COMPRESSION SPLICES

#### STANDARD BARREL - 5/8" O.D.



Aluminum compression splices are forged from pure aluminum and are provided with an integral solid center barrier. They are supplied pre-filled with oxide inhibitor and supplied with color-coded caps. Easy push-through caps reduce the push force by 25%, prevent contamination during storage and installation and ensure that the oxide inhibitor covers the strands of the conductor. The oxide inhibitor ensures a tight, highly-conductive connection as well as keeping dirt, air and moisture out of the joint. On aluminum to copper connections, it also eliminates the effects of galvanic corrosion. Can be installed with either hydraulic or hand tools.

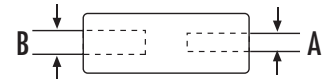


CAT. NO.	UPC CODE	A RANGE					B RANGE						
		ASCR	ALUM. OR COPP.		COM CABLE	WIRE DIA. RANGE	CAP COLOR	ASCR	ALUM. OR COPP.		COM CABLE	WIRE DIA. RANGE	CAP COLOR
			STR.	SOL.				STR.	SOL.				
ACRS-88	02185		10	8		.116/.128	brown	10	8		.116/.218	brown	
ACRS-68	02186		8	6		.145/.162	green	10	8		.116/.128	brown	
ACRS-66	02187		8	6		.145/.162	green	8	6		.145/.162	green	
ACRS-48	02188	6-6/1	6	4	6	.179/.204	blue	10	8		.116/.128	brown	
ACRS-46	02189	6-6/1	6	4	6	.179/.204	blue	8	6		.145/.162	green	
ACRS-44	02190	6-6/1	6	4	6	.179/.204	blue	6-6/1	6	4	6	.179/.204	blue
ACRS-28	02191	4-6/1, 7/1	4	2	4	.225/.258	orange	10	8		.116/.128	brown	
ACRS-26	02192	4-6/1, 7/1	4	2	4	.225/.258	orange	8	6		.145/.162	green	
ACRS-24	02193	4-6/1, 7/1	4	2	4	.225/.258	orange	6-6/1	6	4	6	.179/.204	blue
ACRS-22	02194	4-6/1, 7/1	4	2	4	.225/.258	orange	4-6/1, 7/1	4	2	4	.225/.258	orange
ACRS-18	02195	2-6/1, 7/1	2	1/0	2	.283/.325	red	10	8		.116/.128	brown	
ACRS-16	02196	2-6/1, 7/1	2	1/0	2	.283/.325	red	8	6		.145/.162	green	
ACRS-14	02197	2-6/1, 7/1	2	1/0	2	.283/.325	red	6-6/1	6	4	6	.179/.204	blue
ACRS-12	02198	2-6/1, 7/1	2	1/0	2	.283/.325	red	4-6/1, 7/1	4	2	4	.225/.258	orange
ACRS-11	02199	2-6/1, 7/1	2	1/0	2	.283/.325	red	2-6/1, 7/1	2	1/0	2	.283/.325	red
ACRS-08	02200	1/0-6/1	1/0		1/0	.362/.398	yellow	10	8		.116/.128	brown	
ACRS-06	02201	1/0-6/1	1/0		1/0	.362/.398	yellow	8	6		.145/.162	green	
ACRS-04	02202	1/0-6/1	1/0		1/0	.362/.398	yellow	6-6/1	6	4	6	.179/.204	blue
ACRS-02	02203	1/0-6/1	1/0		1/0	.362/.398	yellow	4-6/1, 7/1	4	2	4	.225/.258	orange
ACRS-01	02204	1/0-6/1	1/0		1/0	.362/.398	yellow	2-6/1	2	1/0	2	.283/.325	red
ACRS-00	02205	1/0-6/1	1/0		1/0	.362/.398	yellow	1/0-6/1	1/0	1/0		.362/.398	yellow

### ALUMINUM TO ALUMINUM OR COPPER TO COPPER COMPRESSION SPLICES LONG BARREL



Aluminum compression splices are forged from pure aluminum and are provided with an integral solid center barrier. Designed for service entrance and non-tension loop splice application. They are supplied pre-filled with oxide inhibitor and supplied with color-coded caps. Easy push-through caps reduce the push force by 25%, prevent contamination during storage and installation and ensure that the oxide inhibitor covers the strands of the conductor. The oxide inhibitor ensures a tight, highly-conductive connection as well as keeping dirt, air and moisture out of the joint. On aluminum to copper connections, it also eliminates the effects of galvanic corrosion. Can be installed with either hydraulic or hand tools.

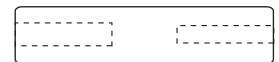


CAT. NO.	UPC CODE	A RANGE				B RANGE				APPROX. LENGTH		NO. OF CRIMPS/ GROOVE		DIE SIZE
		ASCR	ALUM. OR COPP.		WIRE DIA. RANGE	ASCR	ALUM. OR COPP.		WIRE DIA. RANGE	IN	MM	HAND	HYDR.	
			STR.	SOL.			STR.	SOL.						
ACRSL-00	02221	1/0	1/0	—	.375/.398	1/0	1/0	—	.375/.398					
ACRSL-202	02222	2/0	2/0	—	.419/.447	4	3&4	2	.232/.260					
ACRSL-201	02223					2	1&2	1/0	.292/.332					
ACRSL-200	02224					1/0	1/0	—	.375/.398					
ACRSL-2020	02225					2/0	2/0	—	.419/.447					
ACRSL-302	02226	3/0	3/0	—	.470/.502	4	3&4	2	.232/.260					.840
ACRSL-301	02227					2	1&2	1/0	.292/.332	4	102	7	4	OR
ACRSL-300	02228					1/0	1/0	—	.375/.398					
ACRSL-3020	02229					2/0	2/0	—	.419/.447					B-249
ACRSL-3030	02230					3/0	3/0	—	.470/.502					
ACRSL-402	02231	4/0	4/0	—	.528/.563	4	3&4	2	.232/.260					
ACRSL-401	02232					2	1&2	1/0	.292/.332					
ACRSL-400	02233					1/0	1/0	—	.375/.398					
ACRSL-4020	02234					2/0	2/0	—	.419/.447					
ACRSL-4030	02235					3/0	3/0	—	.470/.502					
ACRSL-4040	02236					4/0	4/0	—	.528/.563					

### ALUMINUM NEUTRAL SPLICING SLEEVES - 5/8" O.D.

This triplex neutral splicing sleeve is forged from pure aluminum and is provided with an integral solid center barrier. They are supplied pre-filled with oxide inhibitor which ensures a tight,

highly-conductive connection as well as keeping dirt, air and moisture out of the joint. Can be installed with either hydraulic or hand tools.



CAT. NO.	UPC CODE	CONDUCTOR		WIRE DIA. RANGE (IN)	APPROX LENGTH		CRIMPS	CRIMPING GROOVE
		ASCR	ALUMINUM		IN	MM		
ANSS-6	02181	6	6 str - 4 sol	.184/.204	4- 1/4	108	9	BG, 5/8, peach
ANSS-4	02182	4	4str - 2 sol	.232/.258	4- 1/4	108	9	BG, 5/8, peach
ANSS-2	02183	2	2 str	.292/.316	4- 1/4	108	9	BG, 5/8, peach
ANSS-1/0	02184	—	1/0 str	.368	6	152	12	BG, 5/8, peach

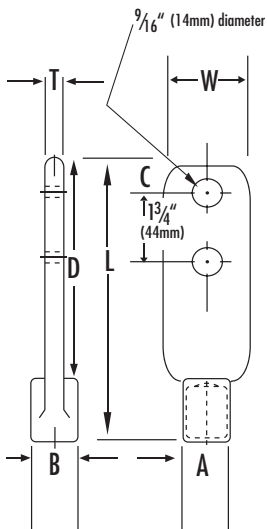
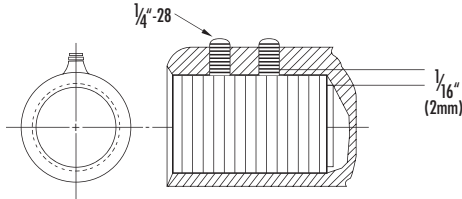
# Connectors

## BRONZE UNDERGROUND TRANSFORMER TERMINALS

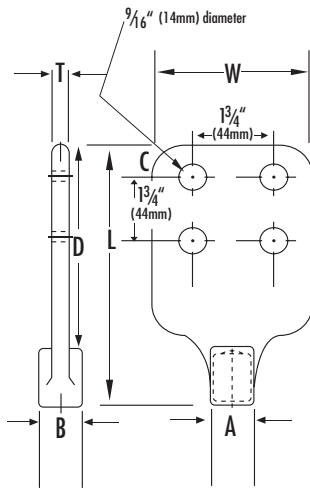
### BRONZE UNDERGROUND TRANSFORMER TERMINALS



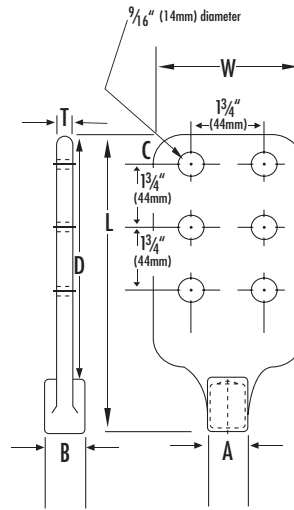
Cast of high copper content alloy and electrotin plated. For use with aluminum or copper compression or bolted type lugs.



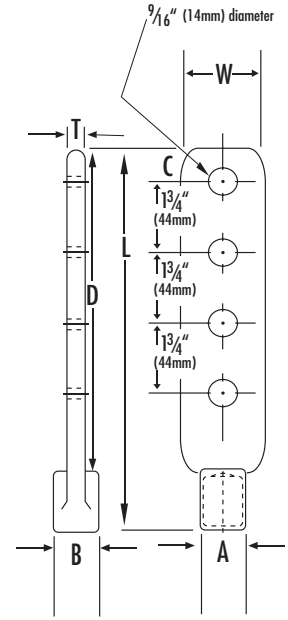
1



2



3



4

CATALOG NO.	UPC CODE	FIG. NO.	APPROXIMATE DIMENSIONS													
			A IN	B IN	B MM	C IN	C MM	D IN	D MM	L IN	L MM	T IN	T MM	W IN	W MM	
UTT100-2L	02538	1	1-14	1 3/8	35	3/4	19	3 9/16	89	5 1/8	130	11/32	8.73	1 15/16	49	
UTT100-4	02539	2	1-14	1 3/8	35	5/8	16	4 1/8	105	5 3/4	146	3/8	9.53	3 1/2	89	
UTT100-4L	02540	4	1-14	1 7/16	37	3/4	19	7 1/16	179	9 7/16	240	11/32	8.73	1 15/16	49	
UTT100-6	02541	3	1-14	1 3/8	35	5/8	16	5 1/8	130	6 11/16	170	3/8	9.53	3 1/2	89	

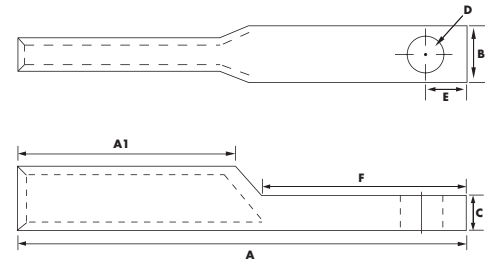
Can be supplied with studs bonded to terminal – Add suffix “-S” to catalog number. Other sizes available. Contact factory.  
 Example: UTT50-2-S

### LONG BARREL COPPER LUGS - L SERIES - ONE HOLE

See Appendix B for proper Connection instructions PG 82



Produced from high conductivity copper tubing. Tin-Plated to provide corrosion resistance. Marked with die index and color coded. Listed for 35 KV maximum when properly installed. For applications greater than 2000 volts, consult the cable manufacturer for voltage stress relief instructions.



CONTINUED ON NEXT PAGE

CAT. NO.	UPC CODE	STUD SIZE	STRIP LENGTH (IN)	COLOR CODE	ID	OD	A	A1	B	C	D	E	F
L610	03460	#10	1-1/4	blue	0.20	0.30	1.77	0.98	0.42	0.08	0.25	0.30	0.67
L614	03400	1/4	1-1/4	blue	0.20	0.30	1.77	0.98	0.42	0.08	0.41	0.37	0.81
L656	03429	5/16	1-1/4	blue	0.20	0.30	1.91	0.98	0.59	0.08	0.25	0.30	0.67
L638	03428	3/8	1-1/4	blue	0.20	0.30	1.91	0.98	0.59	0.08	0.41	0.37	0.81
L410	03461	#10	1-1/4	gray	0.25	0.34	1.77	0.98	0.49	0.09	0.25	0.31	0.67
L414	03441	1/4	1-1/4	gray	0.25	0.34	1.77	0.98	0.49	0.09	0.41	0.37	0.81
L456	03401	5/16	1-1/4	gray	0.25	0.34	1.77	0.98	0.49	0.09	0.33	0.31	0.67
L438	03402	3/8	1-1/4	gray	0.25	0.34	1.91	0.98	0.59	0.09	0.21	0.31	0.67
L314	03423	1/4	1-1/4	white	0.27	0.38	2.15	1.18	0.55	0.09	0.25	0.31	0.78
L356	03422	5/16	1-1/4	white	0.27	0.38	2.15	1.18	0.55	0.09	0.33	0.34	0.78
L338	03403	3/8	1-1/4	white	0.27	0.38	2.35	1.33	0.55	0.09	0.41	0.43	0.83
L256	03465	5/16	1-3/8	brown	0.31	0.42	2.07	1.10	0.60	0.10	0.33	0.37	0.81
L238	03404	3/8	1-3/8	brown	0.31	0.42	2.07	1.10	0.60	0.10	0.41	0.37	0.81
L214	03421	1/4	1-3/8	brown	0.31	0.42	2.07	1.10	0.60	0.10	0.25	0.37	0.81
L138	03405	3/8	1-1/2	green	0.36	0.47	2.11	1.10	0.67	0.11	0.41	0.37	0.81

#### COPPER CABLE ONLY

CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS		CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS	
	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING		SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING
L610	6	7 or 19	6	63/24	-	-	-	-	L2038	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24
L614	6	7 or 19	6	63/24	-	-	-	-	L2048	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24
L656	6	7 or 19	6	63/24	-	-	-	-	L3038	3/0	19 or 37	2/0	342/24	2/0	1323/30	2/0	325/24
L638	6	7 or 19	6	63/24	-	-	-	-	L3048	3/0	19 or 37	2/0	342/24	2/0	1323/30	2/0	325/24
L410	4	7 or 19	-	-	-	-	-	-	L4038	4/0	19 or 37	-	-	3/0	1666/30	3/0	450/24
L414	4	7 or 19	-	-	-	-	-	-	L4048	4/0	19 or 37	-	-	3/0	1666/30	3/0	450/24
L456	4	7 or 19	-	-	-	-	-	-	L25048	250	37 or 61	-	-	-	-	-	-
L438	4	7 or 19	-	-	-	-	-	-	L30048	300	37 or 61	4/0	532/24	4/0	2107/30	4/0	550/24
L314	3	7 or 19	-	-	-	-	-	-	L35048	350	37 or 61	-	-	-	-	262	650/24
L356	3	7 or 19	-	-	-	-	-	-	L40048	400	37 or 61	-	-	-	-	313	775/24
L338	3	7 or 19	-	-	-	-	-	-	L50048	500	37 or 61	350	882/24	-	-	373	925/24
L256	2	7 or 19	-	-	-	-	-	-	L50058	500	37 or 61	350	882/24	-	-	373	925/24
L238	2	7 or 19	-	-	-	-	-	-	L60058	600	61 or 91	-	-	-	-	444	1100/24
L214	2	7 or 19	-	-	-	-	-	-	L75058	750	61 or 91	-	-	-	-	646	1600/24
L138	1	19 or 37	2	161/24	2	665/30	2	150/24	L10058	1000	61 or 91	750	1862/24	-	-	777	1925/24
L1038	1/0	19 or 37	-	-	1	836/30	1	225/24									
L1048	1/0	19 or 37	-	-	1	836/30	1	225/24									

# Connectors

## COPPER COMPRESSION CONNECTORS

### LONG BARREL COPPER LUGS - L SERIES - ONE HOLE - CONTINUED



CAT. NO.	UPC CODE	STUD SIZE	STRIP LENGTH (IN)	COLOR CODE	ID	OD	A	A1	B	C	D	E	F
L1038	03406	3/8	1-1/2	pink	0.39	0.52	2.21	1.20	0.74	0.13	0.41	0.37	0.81
L1048	03407	1/2	1-1/2	pink	0.39	0.52	2.50	1.20	0.74	0.13	0.51	0.47	1.06
L2038	03408	3/8	1-5/8	black	0.44	0.56	2.68	1.38	0.81	0.12	0.41	0.47	1.06
L2048	03409	1/2	1-5/8	black	0.44	0.56	2.68	1.38	0.81	0.12	0.51	0.47	1.06
L3038	03410	3/8	1-5/8	orange	0.49	0.62	2.80	1.38	0.90	0.13	0.41	0.47	1.06
L3048	03411	1/2	1-5/8	orange	0.49	0.62	2.80	1.38	0.90	0.13	0.51	0.47	1.06
L4038	03430	3/8	1-3/4	purple	0.55	0.69	2.80	1.42	1.00	0.13	0.41	0.52	1.06
L4048	03412	1/2	1-3/4	purple	0.55	0.69	2.80	1.42	1.00	0.13	0.51	0.52	1.06
L25048	03413	1/2	1-3/4	yellow	0.59	0.75	3.03	1.61	1.09	0.15	0.51	0.52	1.06
L30048	03414	1/2	2-1/8	white	0.66	0.81	3.39	1.97	1.19	0.15	0.51	0.52	1.06
L35048	03415	1/2	2-1/8	red	0.70	0.87	3.46	1.97	1.28	0.17	0.51	0.52	1.06
L40048	03416	1/2	2-1/4	blue	0.76	0.95	3.86	1.97	1.39	0.18	0.51	0.51	1.38
L50048	03417	1/2	2-3/8	brown	0.83	1.06	4.13	2.24	1.54	0.22	0.51	0.51	1.38
L50058	03468	5/8	2-3/8	brown	0.83	1.06	4.13	2.24	1.54	0.22	0.67	0.51	1.38
L60058	03418	5/8	2-13/16	green	0.93	1.19	4.25	2.24	1.72	0.25	0.67	0.69	1.46
L75058	03419	5/8	3	black	1.03	1.31	5.16	2.64	1.90	0.27	0.67	0.69	1.85
L10058	03420	5/8	3-1/8	white	1.15	1.50	5.625	2.87	2.15	0.33	0.67	0.86	1.74

### STACKING ADAPTERS FOR ALUMINUM AND COPPER COMPRESSION TERMINALS



Tin-plated pure aluminum for good conductivity and corrosion resistance. Allows for stacking of standard two-hole compression lugs and keeps inventories to a minimum. To stack four-hole NEMA drilled terminals, use two adapters assembled in parallel.

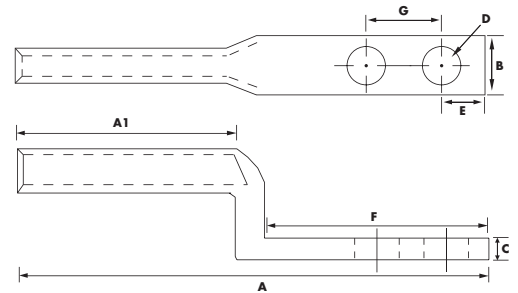
CAT. NO.	UPC CODE	HEIGHT	CONNECTOR SIZE RANGE	CTN. QTY.	SHPG. WT. LBS./100
SA10-400	03150	.875	1/0-400 MCM	10	15.7
SA500-1000	03151	1.125	500-1000 MCM	6	30.4

### LONG BARREL STACKING COPPER LUGS COMPRESSION - SL-N SERIES (TOP)



Designed for use with the L-N Series. Produced from high conductivity copper tubing for heavy duty applications. Tin-Plated to provide corrosion resistance. Marked with die index and color coded. Additional Hole Spacing Options available on request.

See Appendix B for proper Connection instructions PG 82



CAT. NO.	UPC CODE	STUD SIZE	STRIP LENGTH (IN)	HOLE SPACING	COLOR CODE	ID	OD	A	A1	B	C	D	E	F	G
SL40N	03552	1/2	1-3/4	1-3/4	purple	0.55	0.69	5.313	1.75	1.00	0.14	0.51	0.62	2.94	1.75
SL250N	03553	1/2	1-3/4	1-3/4	yellow	0.59	0.75	5.375	2.25	1.12	0.15	0.51	0.62	2.94	1.75
SL350N	03555	1/2	2-1/8	1-3/4	red	0.70	0.87	5.781	2.62	1.24	0.18	0.51	0.62	2.94	1.75
SL500N	03557	1/2	2-3/8	1-3/4	brown	0.84	1.06	6.125	3.14	1.54	0.22	0.51	0.62	2.94	1.75
SL600N	03558	1/2	2-13/16	1-3/4	green	0.93	1.19	6.824	3.48	1.66	0.26	0.51	0.62	2.94	1.75
SL750N	03559	1/2	3	1-3/4	black	1.04	1.31	7.000	3.50	1.74	0.27	0.51	0.62	3.01	1.75

#### COPPER CABLE ONLY

CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS	
	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING
SL40N	4/0	19 or 37	-	-	3/0	1666/30	3/0	450/24
SL250N	250	37 or 61	-	-	-	-	-	-
SL350N	350	37 or 61	-	-	-	-	262	650/24
SL500N	500	37 or 61	350	882/24	-	-	373	925/24
SL600N	600	61 or 91	-	-	-	-	444	1100/24
SL750N	750	61 or 91	-	-	-	-	646	1600/24
SL1000N	1000	61 or 91	750	1862/24	-	-	777	1925/24

# Connectors

## COPPER COMPRESSION CONNECTORS

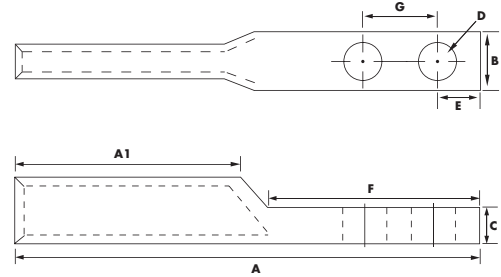
### LONG BARREL COPPER LUGS - LN SERIES

#### TWO HOLE NEMA

See Appendix B for proper Connection instructions PG 82



Produced from high conductivity copper tubing. Allows easy inspection of the termination to assure complete cable insertion. Tin-Plated to provide corrosion resistance. Marked with die index and color coded. Listed for 35 KV maximum when properly installed. For applications greater than 2000 volts, consult the cable manufacturer for voltage stress relief instructions. Additional hole spacing options available on request.



CAT. NO.	UPC CODE	STUD SIZE	STRIP LENGTH (IN)	HOLE SPACING	COLOR CODE	ID	OD	A	A1	B	C	D	E	F	G
L6N-14	03500	1/4	1-1/4	5/8	blue	0.20	0.30	2.36	0.98	0.42	0.08	0.25	0.28	1.26	0.63
L6N-12	33929	1/4	1-1/4	1/2	blue	0.20	0.30	2.24	0.98	0.42	0.08	0.25	0.28	1.14	0.50
L6N	03501	1/2	1-1/4	1-3/4	blue	0.20	0.30	4.09	0.98	0.87	0.12	0.51	0.62	2.99	1.75
L6N-142	33901	1/4	1-1/4	3/4	blue	0.20	0.30	2.48	0.98	0.42	0.08	0.25	0.28	1.38	0.75
L6N-38	33930	3/8	1-1/4	1 IN	blue	0.20	0.30	2.91	0.98	0.42	0.08	0.41	0.38	1.81	1.00
L4N-14	03502	1/4	1-1/4	5/8	gray	0.25	0.34	2.36	0.98	0.49	0.09	0.25	0.28	1.26	0.63
L4N	03503	1/2	1-1/4	1-3/4	gray	0.25	0.34	4.09	0.98	0.87	0.12	0.51	0.62	2.99	1.75
L2N-56	03504	5/16	1-3/8	3/4	brown	0.31	0.42	2.87	1.10	0.60	0.10	0.33	0.32	1.61	0.75
L2N-38	03505	3/8	1-3/8	1 IN	brown	0.31	0.42	3.07	1.10	0.60	0.10	0.41	0.38	1.81	1.00
L2N-141	33905	1/4	1-3/8	5/8	brown	0.31	0.42	2.52	1.10	0.60	0.10	0.25	0.28	1.26	0.63
L2N-142	33906	1/4	1-3/8	3/4	brown	0.31	0.42	2.64	1.10	0.60	0.10	0.25	0.28	1.38	0.75
L2N	03506	1/2	1-3/8	1-3/4	brown	0.31	0.42	4.25	1.10	0.60	0.10	0.51	0.62	2.99	1.75
L1N-56	03507	5/16	1-1/2	3/4	green	0.36	0.47	3.07	1.10	0.61	0.11	0.41	0.38	1.61	1.00
L1N-38	33910	3/8	1-1/2	1 IN	green	0.36	0.47	3.07	1.10	0.67	0.11	0.41	0.38	1.61	1.00
L1N	03508	1/2	1-1/2	1-3/4	green	0.36	0.47	4.29	1.10	0.75	0.10	0.51	0.62	2.99	1.75
L10N-38	33913	3/8	1-1/2	1 IN	pink	0.39	0.52	3.21	1.20	0.74	0.13	0.41	0.38	1.61	1.00
L10N	03509	1/2	1-1/2	1-3/4	pink	0.39	0.52	4.63	1.20	0.74	0.12	0.51	0.62	2.99	1.75
L20N-38	03521	3/8	1-5/8	1 IN	black	0.44	0.56	3.43	1.38	0.81	0.12	0.41	0.38	1.61	1.00
L20N	03510	1/2	1-5/8	1-3/4	black	0.44	0.56	4.61	1.38	0.81	0.12	0.51	0.62	2.99	1.75
L30N-38	33917	3/8	1-5/8	1 IN	orange	0.49	0.62	3.50	1.38	0.90	0.13	0.41	0.38	1.81	1.00
L30N	03511	1/2	1-5/8	1-3/4	orange	0.49	0.62	4.65	1.38	0.90	0.13	0.51	0.62	2.99	1.75
L40N-38	33919	3/8	1-3/4	1 IN	purple	0.55	0.69	3.54	1.42	1.00	0.13	0.41	0.38	1.81	1.00
L40N	03512	1/2	1-3/4	1-3/4	purple	0.55	0.69	4.72	1.42	1.00	0.13	0.51	0.62	2.99	1.75
L250N	03513	1/2	1-3/4	1-3/4	yellow	0.59	0.75	4.96	1.61	1.09	0.15	0.51	0.62	2.99	1.75
L300N	03514	1/2	2-1/8	1-3/4	white	0.66	0.81	5.31	1.97	1.15	0.15	0.51	0.62	2.99	1.75
L350N-38	33923	3/8	2-1/8	1 IN	red	0.70	0.87	4.21	1.97	1.28	0.17	0.41	0.38	1.81	1.00
L350N	03515	1/2	2-1/8	1-3/4	red	0.70	0.87	5.39	1.97	1.28	0.17	0.51	0.62	2.99	1.75

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### LONG BARREL COPPER LUGS - LN SERIES - TWO HOLE NEMA - CONTINUED

CAT. NO.	UPC CODE	STUD SIZE	STRIP LENGTH (IN)	HOLE SPACING	COLOR CODE	ID	OD	A	A1	B	C	D	E	F	G
L400N	03516	1/2	2-1/4	1-3/4	blue	0.76	0.95	5.47	1.97	1.39	0.18	0.51	0.62	2.99	1.75
L500N-38	33925	3/8	2-3/8	1 IN	brown	0.84	1.06	4.57	2.24	1.54	0.22	0.41	0.38	1.81	1.00
L500N	03517	1/2	2-3/8	1-3/4	brown	0.84	1.06	5.75	2.24	1.54	0.22	0.51	0.62	2.99	1.75
L600N-38	33926	3/8	2-13/16	1 IN	green	0.93	1.19	4.61	2.24	1.72	0.25	0.41	0.38	1.81	1.00
L600N	03518	1/2	2-13/16	1-3/4	green	0.93	1.19	5.79	2.24	1.72	0.25	0.51	0.62	2.99	1.75
L750N-38	33927	3/8	3	1 IN	black	1.04	1.31	5.12	2.64	1.90	0.27	0.41	0.38	1.81	1.00
L750N	03519	1/2	3	1-3/4	black	1.04	1.31	6.30	2.64	1.90	0.27	0.51	0.62	2.99	1.75
L1000N	03520	1/2	3-1/8	1-3/4	white	1.15	1.50	7.125	3.16	2.16	0.34	0.51	0.63	3.06	1.75

#### COPPER CABLE ONLY

CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS		CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS	
	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING		SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING
L6N-14	6	7 or 19	6	63/24	-	-	-	-	L30N-38	3/0	19 or 37	2/0	342/24	2/0	1323/30	2/0	325/24
L6N-12	6	7 or 19	6	63/24	-	-	-	-	L30N	3/0	19 or 37	2/0	342/24	2/0	1323/30	2/0	325/24
L6N	6	7 or 19	6	63/24	-	-	-	-	L40N-38	4/0	19 or 37	-	-	3/0	1666/30	2/0	450/24
L6N-142	6	7 or 19	6	63/24	-	-	-	-	L40N	4/0	19 or 37	-	-	3/0	1666/30	2/0	450/24
L6N-38	6	7 or 19	6	63/24	-	-	-	-	L250N	250	37 or 61	-	-	-	-	-	-
L4N-14	4	7 or 19	-	-	-	-	-	-	L300N	300	37 or 61	4/0	532/24	4/0	2107/30	4/0	550/24
L4N	4	7 or 19	-	-	-	-	-	-	L350N-38	350	37 or 61	-	-	-	-	262	650/24
L2N-56	2	7 or 19	-	-	-	-	-	-	L350N	350	37 or 61	-	-	-	-	262	650/24
L2N-38	2	7 or 19	-	-	-	-	-	-	L400N	400	37 or 61	-	-	-	-	313	775/24
L2N-141	2	7 or 19	-	-	-	-	-	-	L500N-38	500	37 or 61	350	882/24	-	-	373	925/24
L2N-142	2	7 or 19	-	-	-	-	-	-	L500N	500	37 or 61	350	882/24	-	-	373	925/24
L2N	2	7 or 19	-	-	-	-	-	-	L600N-38	600	61 or 91	-	-	-	-	444	1100/24
L1N-38	1	19 or 37	2	161/24	2	665/30	2	150/24	L600N	600	61 or 91	-	-	-	-	444	1100/24
L1N	1	19 or 37	2	161/24	2	665/30	2	150/24	L750N-38	750	61 or 91	-	-	-	-	646	1600/24
L10N-38	1/0	19 or 37	-	-	1	836/30	1	225/24	L750N	750	61 or 91	-	-	-	-	646	1600/24
L10N	1/0	19 or 37	-	-	1	836/30	1	225/24	L1000N	1000	61 or 91	750	1862/24	-	-	777	1925/24
L20N-38	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24									
L20N	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24									

# Connectors

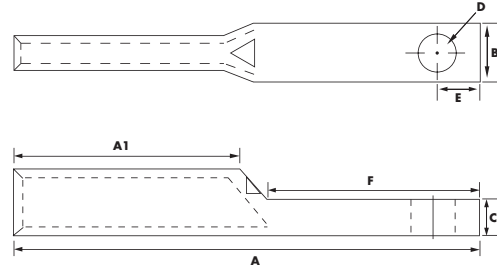
## COPPER COMPRESSION CONNECTORS

### PEEP HOLE COPPER LUGS - GL SERIES - ONE HOLE

See Appendix B for proper Connection instructions PG 82



Produced from high conductivity copper tubing. Tin-Plated to provide corrosion resistance. Marked with die index and color coded. Listed for 35 KV maximum when properly installed. For applications greater than 2000 volts, consult the cable manufacturer for voltage stress relief instructions.



CAT. NO.	UPC CODE	STUD SIZE	STRIP LENGTH (IN)	COLOR CODE	ID	OD	A	A1	B	C	D	E	F
GL810	03600	#10	1/2	red	0.17	0.27	1.20	0.44	0.42	0.08	0.21	0.28	0.59
GL814	03601	1/4	1/2	red	0.17	0.27	1.20	0.44	0.42	0.08	0.25	0.28	0.59
GL614	03602	1/4	15/16	blue	0.20	0.30	1.50	0.71	0.42	0.08	0.25	0.30	0.67
GL656	03623	5/16	15/16	blue	0.20	0.30	1.50	0.71	0.42	0.08	0.33	0.30	0.67
GL638	03624	3/8	15/16	blue	0.20	0.30	1.50	0.71	0.42	0.08	0.41	0.30	0.67
GL414	03625	1/4	15/16	gray	0.25	0.34	1.50	0.71	0.49	0.08	0.25	0.31	0.67
GL456	03603	5/16	15/16	gray	0.25	0.34	1.50	0.71	0.49	0.08	0.33	0.31	0.67
GL438	03604	3/8	15/16	gray	0.25	0.34	1.50	0.71	0.56	0.08	0.41	0.31	0.67
GL338	33697	3/8	15/16	white	0.28	0.38	2.157	1.125	0.53	0.11	0.38	0.34	0.75
GL214	03636	1/4	1	brown	0.31	0.42	1.80	0.83	0.60	0.10	0.25	0.37	0.81
GL256	03626	5/16	1	brown	0.31	0.42	1.80	0.83	0.60	0.10	0.33	0.37	0.81
GL238	03605	3/8	1	brown	0.31	0.42	1.80	0.83	0.60	0.10	0.41	0.37	0.81
GL114	03642	1/4	1-1/16	green	0.36	0.47	1.83	0.83	0.67	0.11	0.25	0.37	0.81
GL156	03627	5/16	1-1/16	green	0.36	0.47	1.83	0.83	0.67	0.11	0.33	0.37	0.81
GL138	03606	3/8	1-1/16	green	0.36	0.47	1.83	0.83	0.67	0.11	0.41	0.39	0.81
GL1056	03633	5/16	1	pink	0.39	0.52	1.83	0.83	0.74	0.13	0.33	0.37	0.81
GL1038	03607	3/8	1	pink	0.39	0.52	1.83	0.83	0.74	0.13	0.41	0.37	0.81
GL1048	03608	1/2	1	pink	0.39	0.52	1.83	0.83	0.74	0.13	0.51	0.37	0.81
GL2056	03631	5/16	1-1/16	black	0.44	0.56	2.24	0.94	0.81	0.12	0.33	0.47	1.06
GL2038	03609	3/8	1-1/16	black	0.44	0.56	2.24	0.94	0.81	0.12	0.41	0.47	1.06
GL2048	03610	1/2	1-1/16	black	0.44	0.56	2.24	0.94	0.81	0.12	0.51	0.47	1.06
GL3038	03611	3/8	1-1/8	orange	0.49	0.62	2.36	0.98	0.90	0.13	0.41	0.47	1.06
GL3048	03612	1/2	1-1/8	orange	0.49	0.62	2.36	0.98	0.90	0.13	0.51	0.47	1.06
GL4038	03637	3/8	1-1/8	purple	0.55	0.69	2.36	0.98	1.00	0.13	0.41	0.47	1.06
GL4048	03613	1/2	1-1/8	purple	0.55	0.69	2.36	0.98	1.00	0.13	0.51	0.47	1.06
GL25038	03643	3/8	1-3/16	yellow	0.59	0.75	2.48	1.06	1.09	0.15	0.41	0.47	1.06
GL25048	03614	1/2	1-3/16	yellow	0.59	0.75	2.48	1.06	1.09	0.15	0.51	0.47	1.06
GL30048	03615	1/2	1-3/16	white	0.66	0.81	2.49	1.06	1.19	0.15	0.51	0.52	1.06

### PEEP HOLE COPPER LUGS - GL SERIES - ONE HOLE - CONTINUED

CAT. NO.	UPC CODE	STUD SIZE	STRIP LENGTH (IN)	COLOR CODE	ID	OD	A	A1	B	C	D	E	F
GL35048	03616	1/2	1-1/4	red	0.70	0.87	2.61	1.10	1.28	0.17	0.51	0.52	1.06
GL40048	03617	1/2	1-5/16	blue	0.76	0.95	3.08	1.18	1.39	0.18	0.51	0.52	1.38
GL50048	03618	1/2	1-1/2	brown	0.83	1.06	3.28	1.38	1.54	0.22	0.51	0.52	1.38
GL50058	03635	5/8	1-1/2	brown	0.83	1.06	3.28	1.38	1.54	0.22	0.67	0.52	1.38
GL60048	03619	1/2	1-1/2	green	0.93	1.19	3.50	1.50	1.72	0.25	0.51	0.52	1.46
GL60058	03629	5/8	1-1/2	green	0.93	1.19	3.50	1.50	1.72	0.25	0.67	0.69	1.46
GL75058	03630	5/8	1-3/4	black	1.03	1.31	4.37	1.85	1.90	0.27	0.67	0.69	1.85
GL10058	03621	5/8	2	white	1.15	1.50	4.00	1.80	2.15	0.33	0.67	0.74	1.67

#### COPPER CABLE ONLY

CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS		CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS	
	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING		SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING
GL810	8	7 or 19	8	41/24	-	-	-	-	GL2056	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24
GL814	8	7 or 19	8	41/24	-	-	-	-	GL2038	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24
GL614	6	7 or 19	6	63/24	-	-	-	-	GL2048	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24
GL656	6	7 or 19	6	63/24	-	-	-	-	GL3038	3/0	19 or 37	2/0	342/24	2/0	1323/30	2/0	325/24
GL638	6	7 or 19	6	63/24	-	-	-	-	GL3048	3/0	19 or 37	2/0	342/24	2/0	1323/30	2/0	325/24
GL414	4	7 or 19	-	-	-	-	-	-	GL4038	4/0	19 or 37	-	-	3/0	1666/30	3/0	450/24
GL456	4	7 or 19	-	-	-	-	-	-	GL4048	4/0	19 or 37	-	-	3/0	1666/30	3/0	450/24
GL438	4	7 or 19	-	-	-	-	-	-	GL25038	250	37 or 61	-	-	-	-	-	-
GL338	3	7 or 19	-	-	-	-	-	-	GL25048	250	37 or 61	-	-	-	-	-	-
GL214	2	7 or 19	-	-	-	-	-	-	GL30048	300	37 or 61	4/0	532/24	4/0	2107/30	4/0	550/24
GL256	2	7 or 19	-	-	-	-	-	-	GL35048	350	37 or 61	-	-	-	-	262	650/24
GL238	2	7 or 19	-	-	-	-	-	-	GL40048	400	37 or 61	-	-	-	-	313	775/24
GL114	1	19 or 37	2	161/24	2	665/30	2	150/24	GL50048	500	37 or 61	350	882/24	-	-	373	925/24
GL156	1	19 or 37	2	161/24	2	665/30	2	150/24	GL50058	500	37 or 61	350	882/24	-	-	373	925/24
GL138	1	19 or 37	2	161/24	2	665/30	2	150/24	GL60048	600	61 or 91	-	-	-	-	444	1100/24
GL1056	1/0	19 or 37	-	-	1	836/30	1	225/24	GL60058	600	61 or 91	-	-	-	-	444	1100/24
GL1038	1/0	19 or 37	-	-	1	836/30	1	225/24	GL75058	750	61 or 91	-	-	-	-	646	1600/24
GL1048	1/0	19 or 37	-	-	1	836/30	1	225/24	GL10058	1000	61 or 91	750	1862/24	-	-	777	1925/24

# Connectors

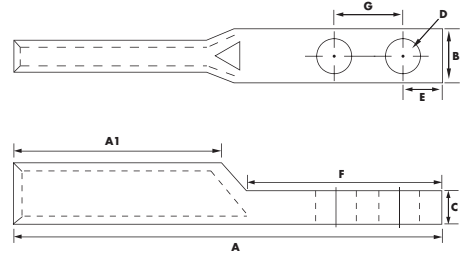
## COPPER COMPRESSION CONNECTORS

### PEEP HOLE COPPER LUGS - GL-N SERIES - TWO HOLE



Produced from high conductivity copper tubing. Allows easy inspection of the termination to assure complete cable insertion. Tin-Plated to provide corrosion resistance. Marked with die index and color coded. Listed for 35 KV maximum when properly installed. For applications greater than 2000 volts, consult the cable manufacturer for voltage stress relief instructions. Additional hole spacing options available on request.

See Appendix B for proper Connection instructions PG 82



CAT. NO.	UPC CODE	STUD SIZE	STRIP LENGTH (IN)	HOLE SPACING	COLOR CODE	ID	OD	A	A1	B	C	D	E	F	G
GL6N-141	33800	1/4	15/16	5/8	blue	0.20	0.30	2.09	0.71	0.42	0.08	0.25	0.28	1.26	0.63
GL6N-38	33719	3/8	15/16	1 IN	blue	0.20	0.30	2.64	0.71	0.42	0.09	0.41	0.38	1.81	1.00
GL4N-141	33802	1/4	15/16	5/8	gray	0.25	0.34	2.09	0.71	0.49	0.09	0.25	0.28	1.26	0.63
GL4N-38	33804	3/8	15/16	1 IN	gray	0.25	0.34	2.68	0.75	0.49	0.09	0.41	0.28	1.81	1.00
GL2N-141	33806	1/4	1-1/16	5/8	brown	0.31	0.42	2.28	0.83	0.60	0.10	0.25	0.28	1.26	0.63
GL2N-38	33809	3/8	1-1/16	1 IN	brown	0.31	0.42	2.83	0.83	0.60	0.10	0.41	0.28	1.81	1.00
GL2N-142	33807	1/4	1-1/16	3/4	brown	0.31	0.42	2.36	0.83	0.60	0.10	0.25	0.28	1.38	0.75
GL2N-143	33808	1/4	1-1/16	1 IN	brown	0.31	0.42	2.80	0.83	0.60	0.10	0.25	0.28	1.81	1.00
GL1N-38	33812	3/8	1-1/16	1IN	green	0.36	0.47	2.36	0.83	0.67	0.11	0.25	0.28	1.26	0.63
GL10N-38	33815	3/8	1	1 IN	pink	0.39	0.52	2.83	0.83	0.74	0.13	0.41	0.38	1.81	1.00
GL20N	03650	1/2	1-1/16	1-3/4	black	0.44	0.56	4.17	0.94	0.81	0.12	0.51	0.62	2.99	1.75
GL20N-38	33818	3/8	1-1/16	1 IN	black	0.44	0.56	2.99	0.94	0.81	0.12	0.41	0.38	1.81	1.00
GL20N-142	33817	1/4	1-1/16	3/4	black	0.44	0.56	2.69	1.04	0.82	0.123	0.27	0.38	1.59	0.75
GL30N	03651	1/2	1-1/8	1-3/4	orange	0.49	0.62	4.29	0.98	0.90	0.13	0.51	0.62	2.99	1.75
GL30N-38	33820	3/8	1-1/8	1 IN	orange	0.49	0.62	3.11	0.98	0.90	0.13	0.41	0.38	1.81	1.00
GL40N	03652	1/2	1-1/8	1-3/4	purple	0.55	0.69	4.29	0.98	1.00	0.13	0.51	0.62	2.99	1.75
GL40N-38	33822	3/8	1-1/8	1 IN	purple	0.55	0.69	3.11	0.98	1.00	0.13	0.41	0.38	1.81	1.00
GL250N	03653	1/2	1-3/16	1-3/4	yellow	0.59	0.75	4.44	1.06	1.09	0.15	0.51	0.62	2.99	1.75
GL250N-38	33823	3/8	1-3/16	1 IN	yellow	0.59	0.75	3.23	1.06	1.09	0.15	0.41	0.38	1.81	1.00
GL350N	03655	1/2	1-1/4	1-3/4	red	0.70	0.87	4.53	1.10	1.28	0.17	0.51	0.62	2.99	1.75
GL350N-38	33825	3/8	1-1/4	1 IN	red	0.70	0.87	3.35	1.10	1.28	0.17	0.41	0.38	1.81	1.00
GL400N	03656	1/2	1-5/16	1-3/4	blue	0.76	0.95	4.69	1.18	1.39	0.18	0.51	0.62	2.99	1.75
GL500N	03657	1/2	1-1/2	1-3/4	brown	0.84	1.06	4.88	1.38	1.54	0.22	0.51	0.62	2.99	1.75
GL500N-38	33828	3/8	1-1/2	1 IN	brown	0.84	1.06	3.70	1.38	1.54	0.22	0.41	0.38	1.81	1.0
GL600N	03658	1/2	1-1/2	1-3/4	green	0.93	1.19	5.04	1.50	1.72	0.25	0.51	0.62	2.99	1.75
GL750N	33839	1/2	1-3/5/8	1-3/4	black	1.04	1.31	5.51	1.85	1.90	0.27	0.51	0.62	2.99	1.75
GL1000N	03660	1/2	2	1-3/4	white	1.15	1.50	6.125	1.91	2.15	0.33	0.51	0.62	3.55	1.75

#### COPPER CABLE ONLY

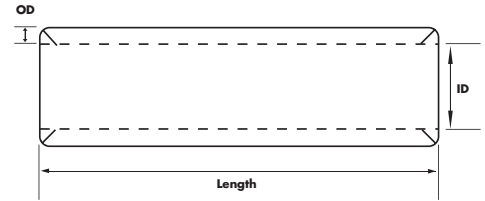
CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS		CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS	
	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING		SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING
GL6N-141	6	7 or 19	8	63/24	-	-	-	-	GL40N	4/0	19 or 37	-	-	3/0	1666/30	3/0	450/24
GL6N-38	6	7 or 19	8	63/24	-	-	-	-	GL40N-38	4/0	19 or 37	-	-	3/0	1666/30	3/0	450/24
GL4N-141	4	7 or 19	-	-	-	-	-	-	GL250N	250	37 or 61	-	-	-	-	-	-
GL4N-38	4	7 or 19	-	-	-	-	-	-	GL250N-38	250	37 or 61	-	-	-	-	-	-
GL2N-141	2	7 or 19	-	-	-	-	-	-	GL350N	350	37 or 61	-	-	-	-	262	650/24
GL2N-38	2	7 or 19	-	-	-	-	-	-	GL350N-38	350	37 or 61	-	-	-	-	262	650/24
GL2N-142	2	7 or 19	-	-	-	-	-	-	GL400N	400	37 or 61	-	-	-	-	313	775/24
GL2N-143	2	7 or 19	-	-	-	-	-	-	GL500N	500	37 or 61	350	882/24	-	-	373	925/24
GL10N-38	1/0	19 or 37	-	-	1	836/30	1	225/24	GL500N-38	500	37 or 61	350	882/24	-	-	373	925/24
GL20N	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24	GL600N	600	61 or 91	-	-	-	-	444	1100/24
GL20N-38	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24	GL750N	750	61 or 91	-	-	-	-	646	1600/24
GL30N	3/0	19 or 37	2/0	342/24	2/0	1323/30	2/0	325/24	GL1000N	1000	61 or 91	750	1862/24	-	-	777	1925/24
GL30N-38	3/0	19 or 37	2/0	342/24	2/0	1323/30	2/0	325/24									

### TINNED COPPER SPLICES – SC SERIES STANDARD BARREL



Produced from high conductivity copper tubing. Serrations indicate proper crimp locations. Tin plated to provide corrosion resistance. Marked with die index and color code. Suitable for use at voltages up to 35 KV provided connector is properly taped. 5 KV is the maximum voltage in all bare splices. For applications greater than 2000 volts, consult the cable manufacturer for voltage stress relief instructions.

See Appendix B for proper Connection instructions PG 82



CAT. NO.	UPC CODE	STRIP LENGTH (IN)	COLOR CODE	ID	OD	LENGTH
SC-8	03700	1-1/4	red	0.17	0.27	0.90
SC-6	03701	1-1/4	blue	0.20	0.30	1.00
SC-4	03702	1-1/4	gray	0.25	0.34	1.00
SC-3	03703	1-1/4	white	0.28	0.38	1.89
SC-2	03704	1-3/8	brown	0.31	0.42	1.25
SC-1	03705	1-1/2	green	0.36	0.47	1.80
SC-1/0	03706	1-1/2	pink	0.39	0.52	1.60
SC-2/0	03707	1-5/8	black	0.44	0.56	1.75
SC-3/0	03708	1-5/8	orange	0.49	0.62	1.75
SC-4/0	03709	1-3/4	purple	0.55	0.59	1.90
SC-250	03710	1-3/4	yellow	0.59	0.75	2.00
SC-300	03711	2-1/8	white	0.66	0.81	2.10
SC-350	03712	2-1/8	red	0.70	0.87	2.10
SC-400	03713	2-1/4	blue	0.76	0.95	2.30
SC-500	03714	2-3/8	brown	0.83	1.06	2.50
SC-600	03715	2-13/15	green	0.93	1.19	2.50
SC-750	03716	3	black	1.03	1.31	3.20
SC-1000	03717	3-1/8	white	1.15	1.50	4.625

#### COPPER CABLE ONLY

CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS	
	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING
SC-8	8	7 or 19	-	-	-	-	-	-
SC-6	6	7 or 19	6	63/24	-	-	-	-
SC-4	4	7 or 19	-	-	-	-	-	-
SC-3	3	7 or 19	-	-	-	-	-	-
SC-2	2	7 or 19	-	-	-	-	-	-
SC-1	1	19 or 37	2	161/24	2	665/30	2	150/24
SC-1/0	1/0	19 or 37	-	-	1	836/30	1	225/24
SC-2/0	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24
SC-3/0	3/0	19 or 37	2/0	342/24	2/0	1323/30	2/0	325/24
SC-4/0	4/0	19 or 37	-	-	3/0	1666/30	3/0	450/24
SC-250	250	37 or 61	-	-	-	-	-	-
SC-300	300	37 or 61	4/0	532/24	4/0	2107/30	4/0	550/24
SC-350	350	37 or 61	-	-	-	-	262	850/24
SC-400	400	37 or 61	-	-	-	-	313	775/24
SC-500	500	37 or 61	350	882/24	-	-	373	925/24
SC-600	600	61 or 91	-	-	-	-	444	1100/24
SC-750	750	61 or 91	-	-	-	-	646	1600/24
SC-1000	1000	61 or 91	750	1862/24	-	-	777	1925/24

# Connectors

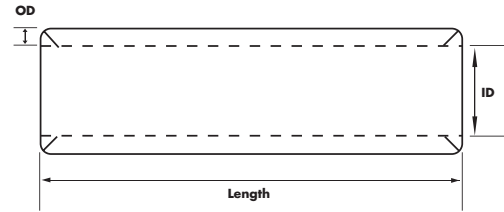
## COPPER COMPRESSION CONNECTORS

### TINNED COPPER SPLICES - C SERIES - LONG BARREL



Produced from high conductivity copper tubing. Serrations indicate proper crimp locations. Tin plated to provide corrosion resistance. Marked with die index and color code. Suitable for use at voltages up to 35 KV provided connector is properly taped. 5 KV is the maximum voltage in all bare splices. For applications greater than 2000 volts, consult the cable manufacturer for voltage stress relief instructions.

See Appendix B for proper Connection instructions PG 82



CAT. NO.	UPC CODE	STRIP LENGTH (IN)	COLOR CODE	ID	OD	LENGTH
C-8	03749	1-1/4	red	0.17	0.27	1.75
C-6	03750	1-1/4	blue	0.20	0.30	1.75
C-4	03751	1-1/4	gray	0.25	0.34	1.75
C-3	03752	1-1/4	white	0.28	0.38	2.39
C-2	03753	1-3/8	brown	0.31	0.42	1.90
C-1	03754	1-1/2	green	0.36	0.47	2.20
C-1/0	03755	1-1/2	pink	0.39	0.52	2.20
C-2/0	03756	1-5/8	black	0.44	0.56	2.25
C-3/0	03757	1-5/8	orange	0.49	0.62	2.25
C-4/0	03758	1-3/4	purple	0.55	0.59	2.75
C-250	03759	1-3/4	yellow	0.59	0.75	3.25
C-300	03760	2-1/8	white	0.66	0.81	3.50
C-350	03761	2-1/8	red	0.70	0.87	3.75
C-400	03762	2-1/4	blue	0.76	0.95	3.75
C-500	03763	2-3/8	brown	0.83	1.06	4.25
C-600	03764	2-13/15	green	0.93	1.19	4.50
C-750	03765	3	black	1.03	1.31	4.75
C-1000	03766	3-1/8	white	1.15	1.50	7.00

#### COPPER CABLE ONLY

CATALOG NO.	CLASS B OR C BUILDING WIRE CU CABLE		CLASS 1 FLEXIBLE CABLE #24 CU STRANDS		CLASS K WELDING CABLE #30 CU STRANDS		DIESEL LOCOMOTIVE CABLE #24 CU STRANDS	
	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING	SIZE	STRANDING
C-8	8	7 or 19	-	-	-	-	-	-
C-6	6	7 or 19	6	63/24	-	-	-	-
C-4	4	7 or 19	-	-	-	-	-	-
C-3	3	7 or 19	-	-	-	-	-	-
C-2	2	7 or 19	-	-	-	-	-	-
C-1	1	19 or 37	2	161/24	2	665/30	2	150/24
C-1/0	1/0	19 or 37	-	-	1	836/30	1	225/24
C-2/0	2/0	19 or 37	1/0	266/24	1/0	1064/30	1/0	275/24
C-3/0	3/0	19 or 37	2/0	342/24	2/0	1323/30	2/0	325/24
C-4/0	4/0	19 or 37	-	-	3/0	1666/30	3/0	450/24
C-250	250	37 or 61	-	-	-	-	-	-
C-300	300	37 or 61	4/0	532/24	4/0	2107/30	4/0	550/24
C-350	350	37 or 61	-	-	-	-	262	850/24
C-400	400	37 or 61	-	-	-	-	313	775/24
C-500	500	37 or 61	350	882/24	-	-	373	925/24
C-600	600	61 or 91	-	-	-	-	444	1100/24
C-750	750	61 or 91	-	-	-	-	646	1600/24
C-1000	1000	61 or 91	750	1862/24	-	-	777	1925/24

### COMPRESSION LUGS FOR FLEXIBLE COPPER CABLE - ONE HOLE - SHORT BARREL (PEEP HOLE)



Connector end has a gentle, continuous flare to ensure ease of cable insertion of flexible and extra-flexible cables such as locomotive, welding, mining cable and more. The flared end also reduces pressure on the cable strands after installation and protects them from chafing and breakage as a result of cable movement. Tin-plated for corrosion resistance. Rated 600 volts for copper cables only. Single mounting hole.

CAT. NO.	UPC CODE	BOLT SIZE	I.D.	COMM	CABLE SIZE			COLOR CODE	INSTALLING DIES	CTN. QTY.	SHPG.WT. LBS./100
					ASTM CLASS H	CLASS M WELDING	DIESEL LOCOMOTIVE				
GL256B	03670	5/16	.31	2	4	4	(125)	brown	4,10,33	50	3.5
GL156B	03672	5/16	.36	1	2	2	(150)	green	4,11,37	50	3.7
GL1056B	03673	5/16	.39	1/0	1	1	(225)	pink	5,12,42	25	4.3
GL2038B	03674	3/8	.44	2/0	1/0	1/0	1/0 (275)	black	6,13,45	25	6.2
GL3048B	33650	1/2	.49	3/0	2/0	—	2/0 (325)	orange	9,14,50	25	6.8
GL4048B	03677	1/2	.55	4/0	3/0	2/0	3/0 (450)	purple	10,15,54	25	7.7
GL25048B	03680	1/2	.59	250	—	3/0	4/0 (550)	yellow	11,16,62	25	13
GL30048B	33651	1/2	.66	300	4/0	4/0	262.6	white	12,17,66	12	17
GL35058B	33652	5/8	.70	350	250	250	313.1	red	13,18,71	12	19
GL50058B	03684	5/8	.84	500	350	300	373.3	brown	15,20,87	6	38
GL60058B	03686	5/8	.93	600	400	350	444.4	green	16,22,94	6	60
GL70058B	33653	5/8	.98	700	500	400	535.3	pink	—,—,99	3	72
GL75058B	03688	5/8	1.03	750	600	500	—	black	17,24,106	3	82
GL10058B	03690	5/8	1.15	1000	800	700	777.7	white	18,27,125	3	120

### COMPRESSION LUGS FOR FLEXIBLE COPPER CABLE - ONE HOLE - LONG BARREL

CAT. NO.	UPC CODE	BOLT SIZE	I.D.	COMM	CABLE SIZE			COLOR CODE	INSTALLING DIES	CTN. QTY.	SHPG.WT. LBS./100
					ASTM CLASS H	CLASS M WELDING	DIESEL LOCOMOTIVE				
L638B	33691	3/8	.20	6	8	8	(61)	blue	2,7/374,24	50	3.0
L438B	33692	3/8	.25	4	6	6	(105)	gray	3,8/346,29	50	3.2
L256B	33701	5/16	.31	2	4	4	(125)	brown	4,10,33	50	3.5
L238B	33693	3/8	.31	2	4	4	(125)	brown	4,10,33	50	3.5
L156B	33702	5/16	.36	1	2	2	(150)	green	4,11,37	50	3.7
L1056B	33703	5/16	.39	1/0	1	1	(225)	pink	5,12,42	25	4.3
L2038B	33704	3/8	.44	2/0	1/0	1/0	1/0 (275)	black	6,13,45	25	6.2
L3038B	33694	3/8	.49	3/0	2/0	—	2/0 (325)	orange	9,14,50	25	6.8
L3048B	33705	1/2	.49	3/0	2/0	—	2/0 (325)	orange	9,14,50	25	6.8
L4048B	33706	1/2	.55	4/0	3/0	2/0	3/0 (450)	purple	10,15,54	25	7.7
L25038B	33695	3/8	.59	250	—	3/0	4/0 (550)	yellow	11,16,62	25	13
L25048B	33707	1/2	.59	250	—	3/0	4/0 (550)	yellow	11,16,62	25	13
L30048B	33708	1/2	.66	300	4/0	4/0	262.6	white	12,17,66	12	17
L35058B	33709	5/8	.70	350	250	250	313.1	red	13,18,71	12	19
L50058B	33710	5/8	.84	500	350	300	373.3	brown	15,20,87	6	38
L60058B	33711	5/8	.93	600	400	350	444.4	green	16,22,94	6	60
L70048B	33716	1/2	.98	700	500	400	535.3	—	—,—,99	3	72
L70058B	33712	5/8	.98	700	500	400	535.3	—	—,—,99	3	72
L75058B	33713	5/8	1.03	750	600	500	—	black	17,24,106	3	82

# Connectors

## COPPER COMPRESSION CONNECTORS

### COMPRESSION LUGS FOR FLEXIBLE COPPER CABLE - TWO HOLE - SHORT BARREL (PEEP HOLE)

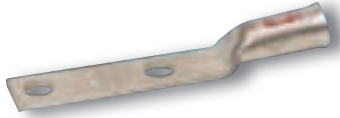


Connector end has a gentle, continuous flare to ensure ease of cable insertion of flexible and extra-flexible cables such as locomotive, welding, mining cable and more. The flared end also reduces pressure on the cable strands after installation and protects them from chafing and breakage as a result of cable movement. Tin-plated for corrosion resistance. Rated 600 volts for copper cables only. NEMA spaced mounting holes (1<sup>3</sup>/<sub>4</sub>").

CAT. NO.	UPC CODE	BOLT SIZE	I.D.	COMM	CABLE SIZE		DIESEL LOCOMOTIVE	COLOR CODE	INSTALLING DIES	CTN. QTY.	SHPG.WT. LBS./100
					ASTM CLASS H	CLASS M WELDING					
GL30NB	03676	1/2	.49	3/0	2/0	—	2/0 (325)	orange	9,14,50	12	10.1
GL250NB	03681	1/2	.59	250	—	3/0	4/0 (550)	yellow	11,16,62	12	17.4
GL300NB	33720	1/2	.66	300	4/0	4/0	262.6	white	12,17,66	6	22
GL350NB	03683	1/2	.70	350	250	250	313.1	red	13,18,71	6	26
GL 500NB	03685	1/2	.84	500	350	300	373.3	brown	15,20,87	3	46
GL 600NB	03687	1/2	.93	600	400	350	444.4	green	16,22,94	3	79
GL700NBX*	33718	1/2	.98	700	500	400	535.3	—	—, —, 99	3	91
GL750NB	03689	1/2	1.03	750	600	500	—	black	17,24,106	3	104
GL100NB	03691	1/2	1.15	1000	800	700	777.7	white	18,27,125	3	156

\*Supplied without peephole

### COMPRESSION LUGS FOR FLEXIBLE COPPER CABLE - TWO HOLE - LONG BARREL



CAT. NO.	UPC CODE	BOLT SIZE	I.D.	COMM	CABLE SIZE		DIESEL LOCOMOTIVE	COLOR CODE	INSTALLING DIES	CTN. QTY.	SHPG.WT. LBS./100
					ASTM CLASS H	CLASS M WELDING					
L30NB	33660	1/2	.49	3/0	2/0	—	2/0 (325)	orange	9,14,50	12	10.1
L40NB	33661	1/2	.55	4/0	3/0	2/0	3/0 (450)	purple	10,15,54	12	11.2
L250NB	33662	1/2	.59	250	—	3/0	4/0 (550)	yellow	11,16,62	12	17.4
L300NB	33663	1/2	.66	300	4/0	4/0	262.6	white	12,17,66	6	22
L350NB-38*	33696	3/8	.70	350	250	250	313.1	red	13,18,71	6	26
L350NB	33664	1/2	.70	350	250	250	313.1	red	13,18,71	6	26
L500NB	33665	1/2	.84	500	350	300	373.3	brown	15,20,87	3	46
L600NB	33666	1/2	.93	600	400	350	444.4	green	16,22,94	3	79
L700NB	33667	1/2	.98	700	500	400	535.3	—	—, —, 99	3	91
L750NB	33668	1/2	1.03	750	600	500	—	black	17,24,106	3	104
L100NB	33670	1/2	1.15	1000	800	700	777.7	white	18,27,125	3	156

\*Mounting hole spacing is 1"

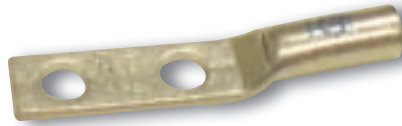
### COPPER COMPRESSION LUGS - SHORT BARREL SPLICES



Splice has flared openings at both ends to ensure ease of cable insertion of flexible and extra-flexible cables such as locomotive, welding, mining cable and more. Positive center stop. Tin-plated for corrosion resistance. Rated 600 volts for copper cables only.

CAT. NO.	UPC CODE	I.D.	COMM	CABLE SIZE		DIESEL LOCOMOTIVE	COLOR CODE	INSTALLING DIES	CTN. QTY.	SHPG.WT. LBS./100
				ASTM CLASS H	CLASS M WELDING					
SC-1/0B	33681	.52	1/0	1	1	(225)	pink	5,12,42	25	7.9
SC-2/0B	33682	.56	2/0	1/0	1/0	1/0 (275)	black	6,13,45	25	8.8
SC-3/0B	33683	.62	3/0	2/0	—	2/0 (325)	orange	9,14,50	25	9.4
SC-4/0B	33684	.69	4/0	3/0	2/0	3/0 (450)	purple	10,15,54	25	11
SC-250B	33685	.75	250	—	3/0	4/0 (550)	yellow	11,16,62	25	14
SC-300B	33686	.81	300	4/0	4/0	262.6	white	12,17,66	12	17
SC-350B	33687	.87	350	250	250	313.1	red	13,18,71	12	21

### COMPRESSION LUGS FOR TELECOMMUNICATIONS - TWO HOLE - SHORT BARREL (PEEP HOLE)



These connectors are the same as the GL-N Series – Short Barrel Copper Compression Lugs (with Peep Hole) except that the mounting hole sizes and spacings are common to the telecommunications industry. Produced from high conductivity copper tubing, they are tin-plated to provide corrosion resistance. Also, they are marked with die index and color coded. Listed for 35 KV maximum when properly installed. For bolt hole sizes not listed, please contact NSi.

CAT. NO.	UPC CODE	WIRE SIZE	BOLT SIZE	HOLE SPACING	COLOR CODE	INSTALLING DIES	LENGTH	WIDTH	TANG THICKNESS	CTN. QTY.	SHPG.WT. LBS./100
GL6N-141	33800	6	1/4	5/8	blue	2,7/374,24	2.56	.45	.08	100	4
GL6N-143	33801	6	1/4	1	blue	2,7/374,24	2.66	.45	.08	100	4
GL6N-38	33719	6	3/8	1	blue	2,7/374,24	2.83	.58	.08	100	4
GL4N-141	33802	4	1/4	5/8	gray	3,8/346,29	2.34	.50	.09	100	5
GL4N-143	33803	4	1/4	1	gray	3,8/346,29	2.71	.50	.09	100	5
GL4N-38	33804	4	3/8	1	gray	3,8/346,29	2.93	.58	.09	100	5
GL2N-141	33806	2	1/4	5/8	brown	4,10,33	2.46	.61	.11	50	9
GL2N-142	33807	2	1/4	3/4	brown	4,10,33	2.58	.61	.11	50	9
GL2N-143	33808	2	1/4	1	brown	4,10,33	2.83	.61	.11	50	9
GL2N-38	33809	2	3/8	1	brown	4,10,33	3.05	.61	.11	50	9
GL10N-38	33815	1/0	3/8	1	pink	5,12/348,42	3.14	.75	.12	50	12
GL20N-38	33818	2/0	3/8	1	black	6,13,45	3.24	.83	.12	25	15
GL20N	03650	2/0	1/2	1 3/4	black	6,13,45	4.17	.83	.12	25	16
GL30N-38	33820	3/0	3/8	1	orange	9,14,50	3.36	.91	.13	25	16
GL30N	03651	3/0	1/2	1 3/4	orange	9,14,50	4.28	.91	.13	25	17
GL40N-38	33822	4/0	3/8	1	purple	10,15,54	3.41	1.02	.14	25	22
GL40N	03652	4/0	1/2	1 3/4	purple	10,15,54	4.28	1.02	.14	25	23
GL250N-38	33823	250	3/8	1	yellow	11,16,62	3.53	1.11	.16	25	27
GL250N	03653	250	1/2	1 3/4	yellow	11,16,62	4.41	1.11	.16	25	28
GL350N-38	33825	350	3/8	1	red	13,18/324,71	3.70	1.29	.18	12	40
GL350N	03655	350	1/2	1 3/4	red	13,18/324,71	4.53	1.29	.18	12	42
GL500N-38	33828	500	3/8	1	brown	15,20/299,87	4.08	1.52	.23	6	66
GL500N	03657	500	1/2	1 3/4	brown	15,20/299,87	4.88	1.52	.23	6	68

### COMPRESSION LUGS FOR FLEXIBLE COPPER CABLE - TWO HOLE - SHORT BARREL (NO PEEP HOLE)



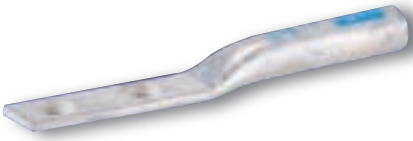
These connectors are the same as the GL-N Series – Short Barrel Copper Compression Lugs (with Peep Hole) except that they are provided without the peep-hole. Produced from high conductivity copper tubing, they are tin-plated to provide corrosion resistance. Also, they are marked with die index and color coded. Listed for 35 KV maximum when properly installed. For bolt hole sizes not listed, please contact NSi.

CAT. NO.	UPC CODE	WIRE SIZE	BOLT SIZE	HOLE SPACING	COLOR CODE	INSTALLING DIES	LENGTH	WIDTH	TANG THICKNESS	CTN. QTY.	SHPG.WT. LBS./100
GL6N-141X	33861	6	1/4	5/8	blue	2,7/374,24	2.56	.45	.08	100	4
GL2N-141X	33864	2	1/4	5/8	brown	4,10,33	2.46	.61	.11	50	9
GL2N-38X	33865	2	3/8	1	brown	4,10,33	3.05	.61	.11	50	9
GL10N-38X	33867	1/0	3/8	1	pink	5,12/348,42	3.14	.75	.12	50	12

# Connectors

## COPPER COMPRESSION CONNECTORS

### COPPER COMPRESSION LUGS - TWO HOLE - LONG BARREL



These connectors are the same as the standard LN Series – Long Barrel Copper Compression Lugs except that the mounting hole sizes and spacings are common to the telecommunications industry. Produced from high conductivity copper tubing, they are tin-plated to provide corrosion resistance. Also, they are marked with die index and color coded. Listed for 35 KV maximum when properly installed. For bolt hole sizes not listed, please contact NSi. Available in 45 degree and 90 degree angle variations on most sizes. Contact NSi for price and delivery.

CAT. NO.	UPC CODE	WIRE SIZE	BOLT SIZE	HOLE SPACING	COLOR CODE	INSTALLING DIES	LENGTH	WIDTH	TANG THICKNESS	CTN. QTY.	SHPG.WT. LBS./100
L6N-12	33929	6	1/4	1/2	blue	2,7/374,24	2.24	.45	.08	100	4
L6N-141	33900	6	1/4	5/8	blue	2,7/374,24	2.36	.45	.08	100	4
L6N-142	33901	6	1/4	3/4	blue	2,7/374,24	2.48	.45	.08	100	4
L6N-38	33930	6	3/8	1	blue	2,7/374,24	2.83	.45	.08	100	4
L4N-142	33903	4	1/4	3/4	gray	3,8/346,29	2.52	.50	.09	100	5
L2N-141	33905	2	1/4	5/8	brown	4,10,33	2.36	.61	.11	50	9
L2N-142	33906	2	1/4	3/4	brown	4,10,33	2.52	.61	.11	50	9
L1N-141	33908	1	1/4	5/8	green	4,11/375,37	2.55	.68	.10	11	
L1N-38	33910	1	3/8	1	green	4,11/375,37	3.07	.68	.10	50	11
L10N-14	33699	1/0	1/4	1	pink	5,12/348,42	3.01	.75	.12	50	12
L10N-38	33913	1/0	3/8	1	pink	5,12/348,42	3.21	.75	.12	50	12
L20N-142	33915	2/0	1/4	3/4	black	6,13,45	3.26	.83	.12	25	15
L20N-38	03521	2/0	3/8	1	black	6,13,45	3.54	.83	.12	25	15
L30N-38	33917	3/0	3/8	1	orange	9,14,50	3.54	.91	.13	25	16
L40N-38	33919	4/0	3/8	1	purple	10,15,54	3.54	1.00	.14	25	22
L250N-38	33920	250	3/8	1	yellow	11,16,62	3.78	1.10	.16	25	27
L350N-38	33923	350	3/8	1	red	13,18/324,71	4.39	1.29	.18	12	40
L500N-38	33925	500	3/8	1	brown	15,20/299,87	4.68	1.52	.23	6	66
L600N-38	33926	600	3/8	1	green	16,22/472,94	5.46	1.69	.27	6	87
L750N-38	33927	750	3/8	1	black	17,24/473,106	5.46	1.89	.27	3	115

### C-TAPS

1



2



These taps ensure positive, all-around compression with low resistance and high pull-out values. Made of high conductivity copper, they satisfy the requirements of NEC250-81 and 250-91 for connecting to the grounding electrode system. Rated for 600 V applications.

CAT. NO.	UPC CODE	FIG. NO.	WIRE SIZE		COLOR CODE	INSTALLING DIES	TOOL	CTN. QTY.	SHPG.WT. LBS./100
			MAIN	BRANCH					
CT-101	09800	1	14 12	16 14	red	-	hand	100	1.0
CT-102	09801	1	10 8	10 12	blue	-	hand	100	1.0
CT-103	09802	1	6 8	10-12 8-10	gray	-	hand	100	1.2
CT-104	09803	1	4 or 5 6	8-10-12 6-8	brown	-	hand	100	2.8
CT-105	09804	1	3 4 or 5	6-8-10-12 6-5	green	-	hand	100	3.8
CT-106	09805	1	3 4	5 4	pink	-	hand	100	4.1
CT-107	09806	1	1 2 3	- 4-5 3-4	black	-	hand	50	7.0
CT-108	09807	1	1/0 1 2	4 3-4 2-3	orange	-	hand	50	9.1
CT-109	09808	1	2/0 1/0 -	3-4 2-3 1-2	purple	-	hand	50	9.5
CT-110	09809	1	3/0 2/0 1/0	2-3-4 1-2 1/0-1	yellow	-	hand	25	10.4
CTH-111	09810	2	1 1/0 2/0 3/0 4/0	1 1/0-2 2/0-4 1/0-6 1-8	blue	14,19,76	hydr.	25	9.6
CTH-112	09811	2	2/0 3/0 4/0 250	2/0-1 3/0-3 4/0-4 1/0-8	brown	15,20,87H	hydr.	25	1.8
CTH-113	09812	2	2/0 3/0 4/0 250 300	2/0-1 3/0-2 4/0-4 3/0-6 2/0-8	pink	-,300,99H	hydr.	12	22
CTH-114	09813	2	4/0 250 300 350	4/0-2/0 250-1 4/0-4 3/0-6	black	17,24,106H	hydr.	6	18
CTH-115	09814	2	250 300 350 400 450 500	250 300-3/0 350-1/0 300-2 250-4 250-6	yellow	-,936, 115H	15 Ton Tool	6	27
CTH-116	09815	2	350 400 450 500	350-4/0 400-2/0 450-1 500-2	white	19,27,125H	15 Ton Tool	3	34
CTH-117	09816	2	750-500 750	4/0-6 750-4/0	-	19,27,125H	15 Ton Tool	3	37

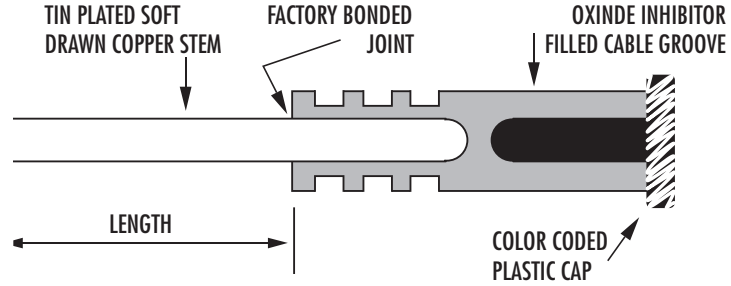
# Connectors

## UTILITY CONNECTORS

### PIN TERMINALS FOR TERMINATING ALUMINUM AND ACSR CONDUCTORS



Designed for use where it is not suitable to terminate an aluminum conductor, such as transformer secondaries and meter entrances.



CAT. NO.	UPC CODE	STEM					CONDUCTOR RANGE		WIRE DIA. RANGE (IN)	COLOR CODE	CABLE RANGE		DIE SIZE
		LENGTH IN	(APPROX) MM	CONDUCTOR SIZE	DIAMETER		ALUM.	ASCR			NO. OF CRIMPS HAND	HYDR.	
PTSL-12-6	02516						2 str, 1/0 sol	2	.292/.325	red			
PTSL-01-6	02517	6 1/2	165	1/0 sol	.325	8.33	1/0 str	1/0	.373/.398	yellow	7	4	.840 or
PTSL-201-6	02518						2/0 str	2/0	.418/.447	grey			B249
PTSL-301-6	02519						3/0 str	3/0	.470/.502	black			
PTSL-401-6	02520						4/0 str	4/0	.528/.563	pink			

### COPPER PRESS-ONS

#### SINGLE TAB CSP



#### DOUBLE TAB CDP



Made of high conductivity copper-metal barrier separates conductor thereby eliminating strand cutting. Generous chamfer protects cable. For compressing, use one crimp with hydraulic tools. Three crimps with mechanical tools.

CAT. NO.	UPC CODE	SIDE A	WIRE DIA. RANGE (IN)	SIDE B	WIRE DIA. RANGE (IN)	DIE SETS FOR HYDRAULIC TOOLS		
						WH-1, W-2	Y-35*	PRESS. SET
<b>SINGLE TAB PRESS-ON</b>								
CSP-301	02206	6 sol, 6 str, 4 sol	.162/.204	8 sol, 8 str, 6 sol, 6 str, 4 sol	.128/.204	B-K-T	U-BG or U 243	4
<b>DOUBLE TAB PRESS-ON</b>								
CDP-399-8	02208	6 sol, 6 str, 4 sol	.162/.204	8 sol, 6 str, 4 sol	.128/.204	B or B-K-T	U-BG or U 243	4
CDP-304-8	02210	2 str, 1 str, 1/0 str	.292/.375	6 sol, 4 sol, 4 str, 2 sol, 2 str, 1 str, 1/0 str	.162/.258	0	0	4
CDP-303-8	02211	2 str, 1 str, 1/0 str	.292/.375	6 sol, 4 sol, 4 str, 2 sol, 2 str, 1 str, 1/0 str	.292/.375	0	0	4
CDP-308-8	02212	2/0 str, 4/0 str	.419/.528	2 str, 1 str, 1/0 str, 2/0 str, 4/0 str	.292/.375	D	D3	4
CDP-307-8	02213	2/0 str, 4/0 str	.419/.528	2 str, 1 str, 1/0 str, 2/0 str, 4/0 str	.419/.528	D	D3	4

### SPLIT BOLT CONNECTORS FOR COPPER AND COPPERWELD WIRES



High-strength solderless service connector made of high-copper alloy for copper and copperweld wires. Type for two maximum wire sizes.

CAT. NO.	UPC CODE	COPPER CONDUCTOR			MAXIMUM CONDUCTOR COPPERWELD		WIRE DIA. RANGE IN.	REC. TORQUE (IN. LB.)	CTN. QTY.	SHPG. WT. LBS./100
		RANGE OF EQUAL MAIN & TAP		MIN. TAP WITH ONE MAX. MAIN	STR	TYPE A				
		MIN.	MAX.							
N-10	02000	16 str	10 str	16 str	—	—	.057 – .116	80	100	1.8
N-8	02001	16 str	8 str	16 str	—	—	.057 – .145	80	100	2.8
N-6	02002	10 sol	6 sol	16 sol	—	—	.102 – .162	165	100	5.5
N-4	02003	8 sol	4 sol	16 sol	3 No.12	8A	.128 – .204	165	75	7.7
N-3	02004	6 sol	2 sol	16 sol	3 No. 9	5A	.162 – .258	275	50	10
N-2	02005	6 sol	2 str	14 str	3 No. 7	3A	.162 – .292	275	40	13
N-1/0	02006	4 sol	1/0 str	14 sol	3 No. 6	2A	.204 – .375	385	20	16
N-2/0	02007	2 sol	2/0 str	14 str	3 No. 5	—	.258 – .418	385	15	28
N-3/0	02008	2 sol	3/0 str	12 sol	7 No. 7	—	.258 – .470	500	10	43
N-250	02009	1/0 sol	250 MCM	10 sol	7 No. 5	—	.325 – .575	650	6	53
N-350	02010	4/0 str	350 MCM	8 sol	19 No. 7	—	.528 – .682	650	4	77
N-500	02011	250 MCM	500 MCM	8 sol	19 No. 6	—	.575 – .815	825	3	90
N-750	02012	350 MCM	750 MCM	8 sol	19 No. 5	—	.682 – .999	1000	2	155
N-1000	02013	500 MCM	1000 MCM	8 sol	—	—	.815 – 1.153	1100	2	265

### CONNECTORS FOR THREE WIRES - FOR COPPER AND COPPERWELD WIRES



High-strength solderless service connector made of high copper alloy for copper and copperweld wires. Type for three maximum wire sizes.

CAT. NO.	UPC CODE	MAXIMUM WIRE SIZE	MIN. TAP WITH MAX. RUN	CTN. QTY.	SHPG. WT. LBS./100
N-8L	02020	8 str	14 str	100	3.1
N-6L	02021	6 str	12 str	100	6.3
N-4L	02022	4 str	12 str	75	8.5
N-3L	02023	3 str	10 str	40	11.0
N-2L	02024	2 str	10 str	30	14.4

# Connectors

## SPLIT BOLT, POST & TAP CONNECTORS

### SPLIT BOLT CONNECTORS - ALL-PURPOSE TYPE



- Aluminum to copper
- Aluminum to aluminum
- Steel to aluminum
- Copper to copper
- Steel to copper
- Electro-tinned body
- UL listed for copper and copperweld wires only
- Includes nut, spacer and pressure pad

CATALOG NO.	UPC CODE	CONDUCTOR		ACSR		WIRE DIA. RANGE IN.	REC. TORQUE (IN. LB.)	CARTON QTY.	SHPG. WT. LBS./100	
		RANGE OF EQUAL MAIN & TAP		MIN. TAP WITH ONE MAX. MAIN	RANGE OF MAIN OR TAP					
		MIN.	MAX.	MIN.	MAX.					
N-6SP	02032	14 str	8 str	14 str	—	8	.073 - .146	165	100	6
N-4SP	02033	10 str	6 str	10 sol	—	6	.116 - .184	165	75	9
N-3SP	02034	8 sol	3 str	8 sol	6	4	.128 - .258	275	50	12
N-2SP	02035	8 sol	2 str	8 sol	6	2	.128 - .316	275	40	16
N-1/OSP	02036	6 sol	1/0 str	10 sol	6	1	.162 - .375	385	20	19
N-2/OSP	02037	6 str	2/0 str	10 sol	6	1/0	.184 - .419	385	15	32
N-3/OSP	02038	4 str	3/0 str	6 sol	6	2/0	.198 - .470	500	10	48
N-25OSP	02039	4 str	250 MCM	4 str	4	4/0	.232 - .575	650	6	57
N-35OSP	02040	3/0 str	350 MCM	1 sol	2/0	350		650	4	83
N-50OSP	02041	3/0 str	500 MCM	1/0 str	2/0	477 18/1		825	3	95
N-75OSP	02042	250 MCM	750 MCM	2/0 str	4/0	666.6		1000	2	172
N-100OSP	02043	250 MCM	1000 MCM	4/0 str	300	900		1100	2	290

### ALUMINUM DUAL-RATED SPLIT BOLTS - APS SERIES



Made from tin-plated aluminum. UL-486B listed for aluminum and copper conductor combinations.

CATALOG NO.	UPC CODE	RANGE OF EQUAL MAIN AND TAP (COPPER AND ALUMINUM)	WIRE DIAMETER RANGE (INCHES)	RECOMMENDED TORQUE (IN. LB.)	CARTON QUANTITY	SHPG. WT. LBS./100
APS06	02050	10 sol. - 6 str	.101 - .184	165	100	4
APS04	02051	10 sol. - 4 str	.101 - .232	165	75	6
APS02	02052	8 str. - 2 str	.146 - .292	275	40	8
APS11	02053	8 sol. - 1/0 str	.162 - .375	385	20	9
APS21	02054	2 sol. - 2/0 str	.257 - .418	390	15	12
APS41	02055	6 str. - 4/0 str	.368 - .575	650	6	28
APS350*	02056	2/0 str. - 350 MCM	.414 - .681	650	3	49
APS500	02057	3/0 str. - 500 MCM	.464 - .814	825	2	74

\* Not CSA Approved  
 \*\* Equal Tap and Main

### SERVICE POST CONNECTORS - ONE-WIRE TYPE



Made from high copper content hard-drawn rod; used for connecting one or two conductors. Lay-in feature makes them excellent for continuous loop grounding and bonding. Used to ground to bar or plate. Suitable for direct burial in earth or concrete.

CATALOG NO.	UPC CODE	CONDUCTOR RANGE	STUD SIZE	HEX NUT	CARTON QTY.
SPM-1L	02100	12 sol - 8 str	1/4 x 20-1	3/8 x 24	25
SPM-2L	02101	8 sol - 7 str	1/4 x 20-1	7/16 x 20	25
SPM-3L	02102	10 sol - 4 str	5/16 x 18-1	1/2 x 20	25
SPM-4L	02103	6 sol - 3 str	3/8 x 16 - 1 1/8	9/16 x 18	12
SPM-5L	02104	4 str - 2 str	3/8 x 16 - 1 1/8	5/8 x 18	12
SPM-6L	02105	6 sol - 1/0 str	1/2 x 13 - 1 1/4	3/4 x 16	12
SPM-7L	02106	1 sol - 2/0 str	1/2 x 13 - 1 1/4	7/8 x 14	6
SPM-9L	02107	3/0 sol - 4/0 str	5/8 x 11 - 1 1/2	1 1/8	3

### SERVICE POST CONNECTORS - TWO-WIRE TYPE



CATALOG NO.	UPC CODE	CONDUCTOR RANGE	STUD SIZE	HEX NUT	CARTON QTY.
SPM-21L	02110	12 sol - 8 str	1/4 x 20 - 1	3/8 x 24	25
SPM-22L	02111	10 sol - 7 str	1/4 x 20 - 1	7/16 x 20	25
SPM-23L	02112	8 sol - 5 str	5/16 x 18 - 1	1/2 x 20	25
SPM-24L	02113	6 sol - 3 str	3/8 x 16 - 1 1/8	9/16 x 18	12
SPM-25L	02114	10 sol - 2 str	3/8 x 16 - 1 1/8	5/8 x 18	12
SPM-26L	02115	4 sol - 1/0 str	1/2 x 13 - 1 1/4	3/4 x 16	12
SPM-27L	02116	2 sol - 2 str	1/2 x 13 - 1 1/4	7/8 x 14	6
SPM-29L	02117	1 sol - 4/0 str	5/8 x 11 - 1 1/2	1 1/8	3

# Connectors

SPLIT BOLT, POST & TAP CONNECTORS

## TAP CONNECTORS - TWO-BOLT BRONZE FOR COPPER TO COPPER



CATALOG NO.	UPC CODE	MAIN WIRE RANGE		TAP WIRE RANGE		CTN. QTY.	SHPG. WT. LBS./100
		MAX.	MIN.	MAX.	MIN.		
TC 1/0	02130	1/0 str	2 sol	1/0 str	6 sol	10	20
TC 2/0	02131	2/0 str	1 sol	2/0 str	6 sol	10	28
TC 4/0	02132	4/0 str	2/0 str	4/0 str	6 sol	6	46
TC 350	02133	350 MCM	4/0 str	350 MCM	4 sol	5	88
TC 500	02134	500 MCM	350 MCM	500 MCM	4 sol	5	100
TC 800	02135	800 MCM	600 MCM	800 MCM	2 sol	3	150
TC 1000	02136	1000 MCM	750 MCM	1000 MCM	2 sol	2	250

## TAP CONNECTORS - TWO-BOLT BRONZE-PLATED FOR ALUMINUM, COPPER AND STEEL



CATALOG NO.	UPC CODE	MAIN WIRE RANGE		TAP WIRE RANGE		CTN. QTY.	SHPG. WT. LBS./100
		MAX.	MIN.	MAX.	MIN.		
TCP 1/0	02140	1/0 str	2 sol	1/0 str	6 sol	10	24
TCP 2/0	02141	2/0 str	1 sol	2/0 str	6 sol	10	40
TCP 4/0	02142	4/0 str	2/0 str	4/0 str	6 sol	6	50
TCP 350	02143	350 MCM	4/0 str	350 MCM	4 sol	5	100
TCP 500	02144	500 MCM	350 MCM	500 MCM	4 sol	5	120
TCP 800	02145	800 MCM	600 MCM	800 MCM	2 sol	3	160
TCP 1000	02146	1000 MCM	750 MCM	1000 MCM	2 sol	2	270

### EASY-TAP™ INSULATION PIERCING CONNECTORS - IPCS SERIES



- Safe to use
- No need to strip wire
- Totally insulated
- No tape or cover needed
- No contact at any point with a live part
- Can be installed on energized conductors
- Versatile
- Reliable
- No spacer required between connections
- Exclusive "turbo spacer" keeps tap side open while main conductor is being tightened
- No need for a third hand to install
- Watertight, corrosion-free
- Connection sealed by a rubber grommet
- No migration of water
- No contamination between main and tap
- Connectors handle a large wire range of #14 AWG to 750 MCM
- Double shear-head bolts ensure perfect connection every time
- Hot spots eliminated
- Can be used as a splice or a tap
- Easy to install
- No special tools required
- For copper-to-copper, copper-to-aluminum and aluminum-to-aluminum applications
- Suitable for solid and/or stranded wires
- 4 sizes are approved for use with bare wire (from 4/0 to #10) - these connectors come with a blue insert which re-creates the insulation and avoids any damage to the conductor
- UL486B listed
- Meets ANSI C119.4 requirements
- 600 Volt, 90°C Rated
- Competitively priced
- Always in stock



CAT. NO.	UPC CODE	CONDUCTOR RANGE		CURRENT RATING		DIMENSIONS (IN)			NO. OF BOLTS	CTN. QTY.	SHPG. WT. LBS./100
		MAIN AWG	TAP AWG	CU AMP	AL AMP	HEIGHT	WIDTH	LENGTH			
IPCS2001*	08260	2/0 – 4	10 – 14	55	40	3	1.8	2.2	1	6	.23
IPCS7501*	08261	750 – 3/0	10 – 14	55	40	3.7	2.4	2.6	1	6	.35
IPCS1002	08262	1/0 – 8	2 – 10	190	150	3.1	1.8	2.2	1	6	.30
IPCS1010	08263	1/0 – 8	1/0 – 8	190	150	3.1	1.8	2.2	1	6	.30
IPCS4002*	08264	4/0 – 3	2 – 10	190	150	3.1	1.8	2.2	1	6	.26
IPCS4020	08265	4/0 – 2	2/0 – 6	300	235	3.3	2.2	2.6	1	4	.41
IPCS4040	08266	4/0 – 2	4/0 – 4	405	315	3.3	2.4	3.5	1	4	.43
IPCS2540**	08272	250 – 1	4/0 – 4	405	315	3.5	2.2	2.6	1	4	.56
IPCS3535**	08267	350 – 1/0	350 – 1/0	570	445	4.5	3	3.9	2	2	1.11
IPCS5040**	08268	500 – 2/0	4/0 – 4	405	315	4.5	3	3.9	2	2	1.16
IPCS5035**	08269	500 – 4/0	350 – 1/0	570	445	4.5	3	3.9	2	2	1.11
IPCS7550**	08270	750 – 250	500 – 250	700	545	4.7	3.3	4.3	2	2	1.66

\*Cannot be used with bare wire or as a splice

\*\*Cannot be used with bare wire

All sizes can be installed on energized main conductor, however, the tap must not be under load.

Not recommended for use with extra-flexible cables.

Not approved for submersible applications.



















# Connectors

## POWER DISTRIBUTION & TERMINAL BLOCKS

### CONNECTOR BLOKS™ - SINGLE PRIMARY - MULTIPLE SECONDARY





















Each block can stand alone or combine with other blocks to form a multi-block set. Add as many holes as you need, in any configuration you want! There are no end pieces or connector pieces to fool around with. The connector body is made from high-strength, high-conductivity aluminum alloy and is mounted in a high-strength glass-filled polyester base.

CONFIGURATION LINE SIDE	CONFIGURATION LOAD SIDE	CAT. NO.	UPC CODE	AMPS PER POLE	LENGTH	HEIGHT	WIDTH	CTN. QTY.
 2/0-14 AWG	 4-14 AWG	AS-K1-H4	16531	175	2.90	2.34	1.04	3
 2/0-14 AWG	 4-14 AWG	AS-K1-H6	16534	175	2.90	2.34	1.04	3
 350MCM-6 AWG	 4-14 AWG	AM-P1-H6	16537	310	4.00	2.62	1.71	3
 350MCM-6 AWG	 4-14 AWG	AM-P1-H12	16540	310	4.00	2.62	1.71	3
 350MCM-6 AWG	 2/0-14 AWG	AL-P1-K6	16543	310	5.50	3.25	2.90	3
 500MCM-4 AWG	 4-14 AWG	AM-R1-H12	16546	380	4.00	2.62	1.71	3
 500MCM-4 AWG	 2/0-14 AWG	AL-R1-K6	16547	380	5.50	3.25	2.90	3
 500MCM-4 AWG	 4/0-6 AWG	AL-R1-M4	16548	380	5.50	3.25	2.90	3
 1000-250 MCM	 2/0-14 AWG	AL-V1-K6	16549	545	5.50	3.25	2.90	1

## CONNECTOR BLOKS™ - DOUBLE PRIMARY - MULTIPLE SECONDARY



- Compact
- Versatile
- 90°C Rated
- 600 Volts
- Durable
- High-impact bases
- One-piece connectors
- No assembly on job site

















CONFIGURATION LINE SIDE	CONFIGURATION LOAD SIDE	CAT. NO.	UPC CODE	AMPS PER POLE	LENGTH	HEIGHT	WIDTH	CTN. QTY.
 2/0-14 AWG	 4-14 AWG	AS-K2-H6	16551	350	2.90	2.34	1.04	3
 2/0-14 AWG	 4-14 AWG	AM-K2-H6	16554	350	4.00	2.62	1.71	3
 2/0-14 AWG	 4-14 AWG	AM-K2-H12	16560	350	4.00	2.62	1.71	3
 2/0-14 AWG	 2-14 AWG	AM-K2-16	16563	350	4.00	2.62	1.71	3
 350MCM-6 AWG	 4-14 AWG	AL-P2-H12	16566	620	5.50	3.25	2.90	3
 350MCM-6 AWG	 2/0-14 AWG	AL-P2-K6	16569	620	5.50	3.25	2.90	3
 500MCM-4 AWG	 4-14 AWG	AL-R2-H12	16572	760	5.50	3.25	2.90	3
 500MCM-4 AWG	 2/0-14 AWG	AL-R2-K6	16575	760	5.50	3.25	2.90	3
 500MCM-4 AWG	 4/0-6 AWG	AL-R2-M4	16578	760	5.50	3.25	2.90	3

# Connectors

## POWER DISTRIBUTION & TERMINAL BLOCKS

### CONNECTOR BLOKS™ - SPLICER/REDUCERS



CONFIGURATION LINE SIDE	CONFIGURATION LOAD SIDE	CAT. NO.	UPC CODE	AMPS PER POLE	LENGTH	HEIGHT	WIDTH	CTN. QTY.
 2-14 AWG	 2-14 AWG	AS-I1-I1	16601	115	2.90	2.34	1.04	3
 2/0-14 AWG	 2/0-14 AWG	AS-K1-K1	16604	175	2.90	2.34	1.04	3
 250MCM-6 AWG	 250MCM-6 AWG	AM-N1-N1	16607	310	4.00	2.62	1.71	3
 350MCM-6 AWG	 350MCM-6 AWG	AM-P1-P1	16610	350	4.00	2.62	1.71	3
 500MCM-4 AWG	 500MCM-4 AWG	AM-R1-R1	16613	380	4.00	2.62	1.71	3
 2/0-14 AWG	 2/0-14 AWG	AS-K2-K2	16616	350	2.90	2.34	1.04	3
 350MCM-6 AWG	 350MCM-6 AWG	AL-P2-P2	16619	620	5.50	3.25	2.90	3
 500MCM-4 AWG	 500MCM-4 AWG	AL-R2-R2	16622	760	5.50	3.25	2.90	3

### CONNECTOR BLOKS™ - COVERS



See-through clear acrylic covers permit visual inspection. Snaps easily into place. Just three sizes fit all styles and configurations of Connector-Bloks®.

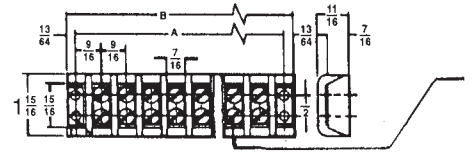
CAT. NO.	UPC CODE	FOR USE WITH CONNECTOR BLOCKS SERIES WITH PREFIX	BOLT SIZE
CS	16625	AS*	12
CM	16626	AM	9
CL	16627	AL	6

\*Not suitable for use with Catalog No. AS-K2-H6, AS-K2-K2 and AS-K1-H6.

### DOUBLE ROW TERMINAL BLOCKS - 9/16" CENTERS, 600V

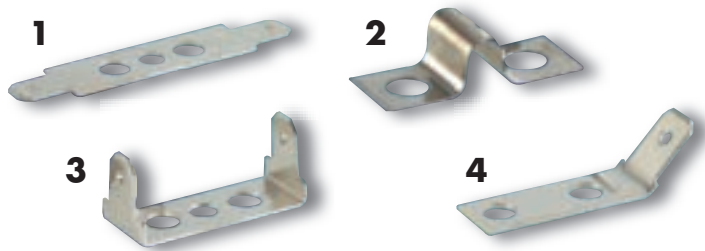


Heavy duty construction with corrosion-resistant terminal plates ensures dependable, easy-access multiple termination block. Made from strong, glass-filled polyester, these blocks are rated for 30 amps and 600 volts maximum. Screws are #8 stud size. Other sizes and styles available. Contact NSi for price and availability. Temperature rated to 208°C



CAT. NO.	UPC CODE	WIRE SIZE	DIMENSIONS		CTN. QTY.
			A	B	
TB3096-2	16500	2	1.688	2.109	10
TB3096-3	16501	3	2.250	2.688	10
TB3096-4	16502	4	2.812	3.250	10
TB3096-5	16503	5	3.375	3.812	6
TB3096-6	16504	6	3.938	4.375	6
TB3096-7	16505	7	4.500	4.938	6
TB3096-8	16506	8	5.062	5.500	4
TB3096-9	16507	9	5.641	6.062	4
TB3096-10	16508	10	6.203	6.625	4
TB3096-11	16509	11	6.750	7.188	4
TB3096-12	16510	12	7.328	7.750	3
TB3096-13	16511	13	7.891	8.312	3
TB3096-14	16512	14	8.453	8.875	3

### TERMINAL BLOCK HARDWARE OPTIONS

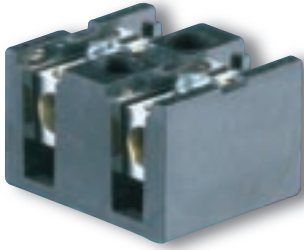


CAT. NO.	UPC CODE	FIGURE NO.	DESCRIPTION	CTN. QTY.
FQC-00	16796	1	quick disconnect – 0° flat	10
FQC-45	16517	4	quick disconnect – 45° bend	10
FQC-90	16518	3	quick disconnect – 90° bend	10
J-30	16519	2	30 AMP jumper	10

# Connectors

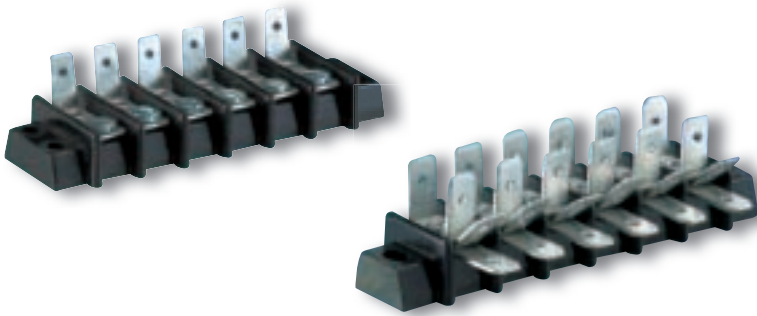
## POWER DISTRIBUTION & TERMINAL BLOCKS

### TERMINAL BLOKS™ SPLICER/REDUCERS, 75 AMPS 600V



CAT. NO.	UPC CODE	NO. OF POLES	WIRE RANGE	LENGTH	HEIGHT	WIDTH	CTN. QTY.
TBS2-2	16711	2	2-14 AWG CU or AL	1.75	1.25	1.50	6
TBS2-3	16712	3	2-14 AWG CU or AL	2.38	1.25	1.50	6

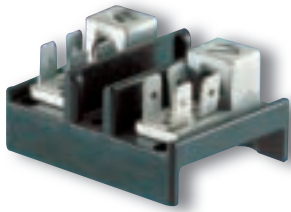
### QUICK-CONNECTS, 20 AMPS 250V



Quick connects are a compact double-row-style barrier block, designed for applications requiring either a row of screw-type terminals or a quick-connect terminal in conjunction with branch circuit quick-connect terminals. All quick-connect terminal tabs are .032" x .250" tin-plated brass male tabs. The bases are made of high temperature phenolic, UL rated 94V-O, 150°C. Also available with up to six terminals per pole, straight or formed 45 degrees or 90 degrees. Contact NSi for price and availability.

CAT. NO.	UPC CODE	NO. OF POLES	A' CONNECTION	B' CONNECTION	LENGTH	HEIGHT	WIDTH	CTN. QTY.
TSS-3-IT	16723	3	single screw	single male tab	2.06	0.85	0.88	10
TSS-6-IT	16726	6	single screw	single male tab	3.38	0.85	0.88	6
TSS-12-IT	16732	12	single screw	single male tab	6.00	0.85	0.88	3
TST-3-3T	16743	3	single male tab	three male tabs	2.06	0.85	0.88	10
TST-6-3T	16746	6	single male tab	three male tabs	3.38	0.85	0.88	6
TST-12-3T	16752	12	single male tab	three male tabs	6.00	0.85	0.88	3

### TERMINAL BLOKS™ - 2 POLE, 250V

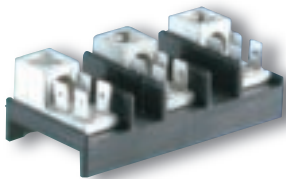


Terminal Bloks™ Power Terminal Blocks are made from high-conductivity bodies and will accept either copper or aluminum conductors on the line side. The bases are manufactured from high-strength phenolic compound rated 150°C. Also available with many different combinations on the load side. Contact NSi for price and availability.

CAT. NO.	UPC CODE	LINE * CONNECTION	LOAD * CONNECTION	LENGTH	HEIGHT	WIDTH	CTN. QTY.
TB4-4T2	16701	4-14 AWG 50 AMPS CU OR AL	.250 x .032 4 quick-connect tabs	2.05	0.97	1.63	10
TB2-4T2	16702	2-14 AWG 75 AMPS CU OR AL	.250 x .032 4 quick-connect tabs	2.05	1.09	1.63	10
TB0-4T2	16703	1/0-14 AWG 120 AMPS CU OR AL	.250 x .032 4 quick-connect tabs	2.05	1.15	1.63	10

\*Connections per pole.

### TERMINAL BLOKS™ - 3 POLE, 250V








CAT. NO.	UPC CODE	LINE* CONNECTION	LOAD* CONNECTION	LENGTH	HEIGHT	WIDTH	CTN. QTY.
TB4-4T3	16706	4-14 AWG 50 AMPS CU OR AL	.250 x .032 4 quick-connect tabs	3.30	0.97	1.63	6
TB2-4T3	16707	2-14 AWG 75 AMPS CU OR AL	.250 X .032 4 quick-connect tabs	3.30	1.09	16.63	6
TB0-4T3	16708	1/0-14 AWG 120 AMPS CU OR AL	.250 X .032 4 4 quick-connect tabs	3.30	1.15	1.63	6

\*Connections per pole.

### RAIL MOUNTED MODULAR TERMINAL BLOCKS

NSi Din Rail Mounted Terminal Blocks are a cost-effective and intelligent solution to connecting and terminating a wide variety of sizes and styles of wiring in a neat and professional manner. Individual blocks can easily be inserted or removed without disturbing adjacent blocks. Insertion is made simply by snapping the block in place by hand. Only a screwdriver

is needed for removal. The mounting rail is simply fastened by screws to the mounting surface. No special brackets or hardware are needed. The design of all component pieces is such that they may be mixed in an assembly. The blocks form their own barriers. Blocks include integral mounting feet with screw slot for direct panel mounting, if desired.

	DESCRIPTION	CATALOG NO.	UPC CODE	CARTON QUANTITY
<b>25 Amp Terminal Block</b>				
	Will accept #22 to two #12 wires per terminal and include captive wire clamps for use with stranded or solid wire or ring terminals. Flat top marking with either pen or stick-on labels. Rated 25 Amps, 600 Volts.	DRTB25F	16780	50
<b>50 Amp Terminal Block</b>				
	The DRTB50 block uses a box type connector to accept up to a #8 str. Requires only 3/8" per point, allowing 32 points per foot. Provides 3/8" square marking area. Rated 50 Amps, 600 Volts, 94V-0 Rated housing.	DRTB50	16781	25
<b>Single Pole Disconnect</b>				
	The DRD Series of Disconnect Blocks may be used in a single-pole function or linked together with other disconnects to form multiple pole assemblies. Rated 15 Amps per pole. Accepts #22 to two #12 wires per terminal.	DRDTB-1	16782	10
<b>2 Pole Disconnect</b>				
	Two single-pole disconnects with an interlocked handle so that operation on any pole operates all poles. This unique assembly makes it possible to interlock the isolation of different control panel functions without using expensive relays or cam switches.	DRDTB-2	16783	6
<b>3 Pole Disconnect</b>				
	Three single-pole disconnects with an interlocked handle. Also available up to 6 poles. Contact NSi for price and delivery.	DRDTB-3	16784	3

## RAIL MOUNTED MODULAR TERMINAL BLOCKS

	DESCRIPTION	CATALOG NO.	UPC CODE	CARTON QUANTITY
<b>DRFTB Fuse Block</b>				
	The DRFTB Fuse Block accepts $13/32$ " dia. by $1\frac{1}{2}$ " long cartridge fuses through 25 Amps, 600 Volts. The fusible block requires $3/4$ " rail taking exactly two standard terminal blocks.	DRFTB	16785	10
<b>Fuse Puller</b>				
	The FTBFB is supplied red as standard.	FTBFP	16786	25
<b>End Barrier</b>				
	Each assembly of blocks requires only an end barrier on each end of the assembly. It acts as both the end barrier for the block and retains the blocks on the rail.	DREB	16787	50
<b>Jumper</b>				
	Jumper strap from one point to another on 25 Amp terminal block.	DRJS2	16788	100

## DIN RAIL



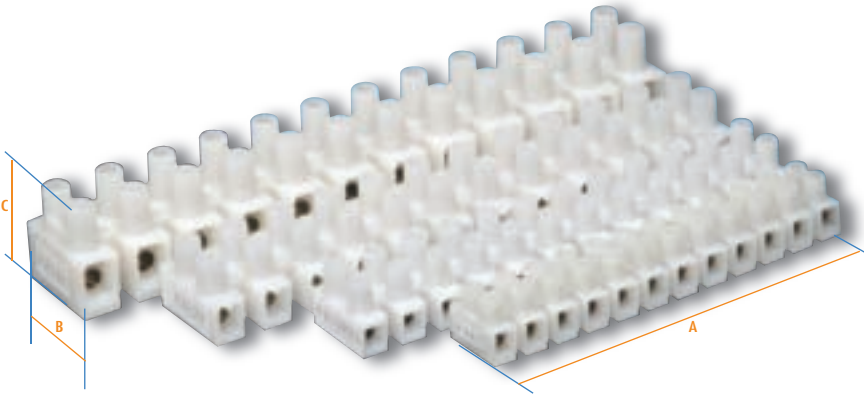
Made from 35 mm unplated 6061-T6 Aluminum alloy providing for a strong, lightweight rail for mounting sockets, terminal blocks or other electro-mechanical devices. Comes supplied with oval holes 1.1 cm, approximately x 0.4 cm apart. Standard 10 mm height allows for ease of installation vs. traditional 7.5 mm height. Other sizes, lengths and profiles available. Also available without mounting holes.

CAT. NO.	UPC CODE	HEIGHT	LENGTH	SHPG.WT LBS./EA.
DR3910	16791	10 mm	39.3"	.40

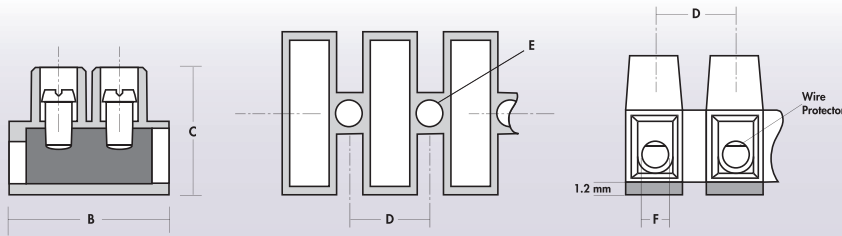
# Connectors

## POWER DISTRIBUTION & TERMINAL BLOCKS

### INSULATED TERMINAL BLOCKS

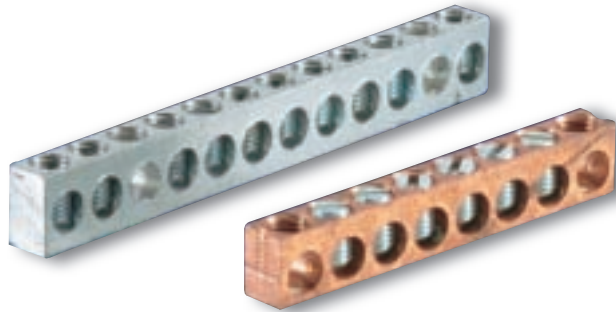


- Nylon 66 housing ensures 'touchproof' safety
- Recessed screws and tubular contacts provide additional safety and help prevent short circuits
- Integrated stainless steel spring wire protectors prevent twisting and breaking of stranded wires during installation
- Tubular contacts connect stripped solid or stranded un-terminated wire directly to each contact
- Modular design allows for connector to be cut into smaller sections or stacked end-to-end
- Brass metal alloy, nickel plated terminal insert
- Zinc plated, yellow chromed screws
- Rated UL 94V-2
- Operating temperature rated at 110°C
- Rated 300 volts.



CAT. NO.	UPC CODE	NO. OF CIRCUITS	RATINGS	AMPS	WIRE RANGE	DIMENSIONS						CTN. QTY.	SHPG.WT LBS./100
						A	B	C	D	E	F*		
ITB20-12	16521	12	RU	20	22-12	3.787	0.669	0.570	0.315	0.114	0.110	50	7
			CSA	10	20-18								
ITB30-12	16522	12	RU	30	22-10	4.626	0.795	0.670	0.394	0.142	0.134	50	9
			CSA	20	18-14								
ITB35-12	16523	12	CRU	35	22-10	5.540	0.937	0.748	0.472	0.154	0.154	40	15
ITB50-12	16524	12	CRU	50	20-8	6.220	1.008	0.992	0.531	0.173	0.189	25	22

### MULTIPLE CONNECTORS - USED IN NEUTRAL BAR ASSEMBLIES & GROUNDING APPLICATIONS



Multiple connectors are made from either copper or aluminum bar and can be used in a variety of neutral and grounding applications. The aluminum connectors are tin plated for low contact resistance and are suitable for use with copper or aluminum conductors. Aluminum connectors are dual rated for use with aluminum and copper cables. The copper connectors are suitable for use with copper wire only. The 4-14 AWG multiple connectors can be custom made in any number of wire holes up to 190 holes. Contact NSi for price and delivery information.

CAT. NO.	UPC CODE	MATERIAL	WIRE RANGE	NO. OF CIRCUITS	TOTAL NO. OF HOLES	LENGTH	HEIGHT	WIDTH	HOLE SPACING	MTNG. HOLE POSITION	CTN. QTY.	SHPG.WT. LBS./100
4-14 (32)	00704	aluminum	4-14	2	3	.95	.44	.31	.312	2	100	2
4-14 (53)	00600	aluminum	4-14	4	5	1.57	.44	.31	.312	3	100	3
4-14 (63)	00708	aluminum	4-14	5	6	1.88	.44	.31	.312	3	100	3
4-14 (74)	00601	aluminum	4-14	6	7	2.25	.44	.31	.312	4	100	3.5
4-14 (614)	00706	aluminum	4-14	4	6	1.88	.44	.31	.312	1 & 4	100	3.5
4-14 (717)	00602	aluminum	4-14	5	7	2.25	.44	.31	.312	1 & 7	100	3.5
4-14 (726)	00603	aluminum	4-14	5	7	2.25	.44	.31	.312	2 & 6	100	3.5
4-14 (847)	00604	aluminum	4-14	6	8	2.56	.44	.31	.312	4 & 7	100	4
4-14 (937)	00606	aluminum	4-14	7	9	2.87	.44	.31	.312	3 & 7	100	4.5
4-14 (11111)	00607	aluminum	4-14	9	11	3.50	.44	.31	.312	1 & 11	50	5.5
4-14 (12112)	00608	aluminum	4-14	10	12	3.81	.44	.31	.312	1 & 12	50	6
4-14 (14114)	00609	aluminum	4-14	12	14	4.43	.44	.31	.312	1 & 14	50	7
4-14 (17117)	00610	aluminum	4-14	15	17	5.37	.44	.31	.312	1 & 17	50	8.5
4-14 (22122)	00611	aluminum	4-14	20	22	6.93	.44	.31	.312	1 & 22	50	11
4-14 (190)*	00613	aluminum	4-14	190	190	60	.44	.31	.312	-	10	91
2-14 (12311)**	00631	aluminum	2-14	10	12	4.12	.50	.38	.340	3 & 11	50	8
2/0-14 (32)**	00640	aluminum	2/0-14	2	3	1.75	.75	.56	.601	2	25	8
2/0-14 (524)**	00641	aluminum	2/0-14	3	5	2.95	.75	.56	.601	2 & 4	25	13
2/0-14 (818)**	00643	aluminum	2/0-14	6	8	4.75	.75	.56	.601	1 & 8	25	20
4C-14 (616)	00661	copper	4-14	4	6	1.94	.44	.31	.312	1 & 6	100	6
4C-14 (717)	00662	copper	4-14	5	7	2.25	.44	.31	.312	1 & 7	100	7
4C-14 (818)	00715	copper	4-14	6	8	2.56	.44	.31	.312	1 & 8	100	8
4C-14 (14114)	00666	copper	4-14	12	14	4.43	.44	.31	.312	1 & 14	50	14
4C-14 (15313)	00667	copper	4-14	13	15	4.74	.44	.31	.312	3 & 13	50	15
4C-14 (15611)	00711	copper	4-14	13	15	4.74	.44	.31	.312	6 & 11	50	15
4C-190*	00669	copper	4-14	190	190	60	.44	.31	.312	-	10	176
2C-14 (515)	00680	copper	2-14	3	5	2.00	.50	.38	.397	1 & 5	50	15
2C-14 (827)	00681	copper	2-14	6	8	3.25	.50	.38	.397	2 & 7	50	24

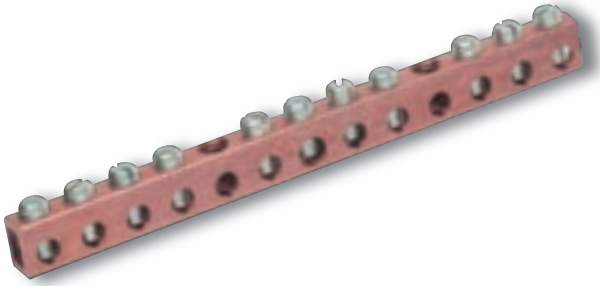
\*Supplied with screws unassembled

\*\*Not UL Rated

# Connectors

## NEUTRAL BARS & NEUTRAL ASSEMBLIES

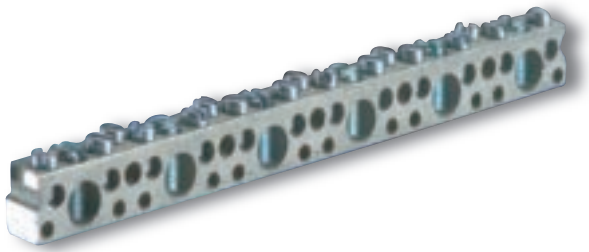
### COPPER NEUTRAL CONNECTORS



NSi copper neutral connectors are manufactured from high strength pure electrolytic copper tube to ensure both maximum strength and conductivity. Plain copper finish. Suitable for use with copper conductors only.

CAT. NO.	UPC CODE	LINE NO.	LINE RANGE	NO. OF CIRCUITS	CIRCUIT RANGE	MTG. HOLES	LENGTH	HEIGHT	WIDTH	CTN. QTY.	SHPG.WT. LBS./100
CN70-8-1	92110	1	4-14	6	6-14	2 x .20	3.56	.75	.34	100	11
CN70-10-1	92111	1	4-14	8	6-14	2 x .20	4.37	.75	.34	100	13
CN70-12-1	92112	1	4-14	10	6-14	2 x .20	5.15	.75	.34	100	15
CN70-14-1	92113	1	4-14	12	6-14	2 x .20	5.94	.75	.34	100	18
CN70-16-1	92114	1	4-14	14	6-14	2 x .20	6.75	.75	.34	100	21

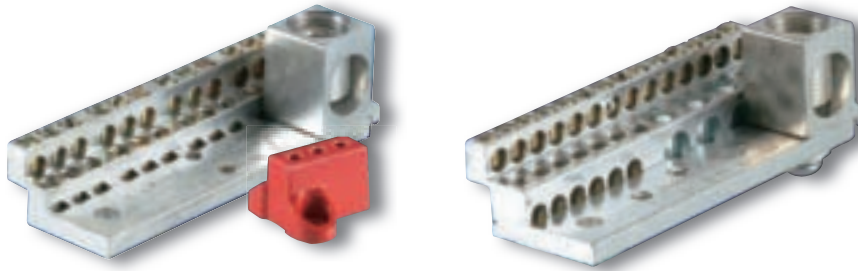
### COMBINATION CONNECTORS



Multiple combination connectors are made from aluminum and are tin-plated for low contact resistance. Suitable for use with both copper and aluminum conductors. Each connector contains a combination of 1/0-14 AWG and 6-14 AWG wire holes. Very economical and compact due to innovative design and hole spacing. Dual rated for use with aluminum and copper cables.

CAT. NO.	UPC CODE	NUMBER OF CIRCUITS		APPROX. LENGTH	CARTON QTY.	SHPG.WT. LBS./100
		1/0-14 AWG	6-14 AWG			
CB-11	00901	3	8	3.50	25	11
CB-19	00902	5	14	5.81	25	18
CB-23	00903	6	17	7.00	25	22
CB-120	00904	30	90	36.00	10	182

### 225A NEUTRAL 600 VAC



These stacked neutral assemblies offer the ultimate in compact design and performance. Wire holes are stacked to minimize width. One-piece construction provides superior mechanical performance. Made from high-strength 6061T-6 aluminum alloy. Options include a 350 MCM main lug and a high-strength, glass-filled polyester mounting base for isolated – mounting. Available in 12 to 42 wire holes (4-14 AWG).

CATALOG NO.	UPC CODE	NO. OF 4-14 AWG CIRCUITS	MAIN LUG SIZE	MOUNTING BASE	LENGTH	HEIGHT	WIDTH	CTN. QTY.
1012	00800	12	none	no	2.068	.875	1.500	1
1012M	00801	12	350-6	no	2.193	1.375	1.500	1
1012B	00802	12	none	yes	2.068	2.250	2.250	1
1012MB	00803	12	350-6	yes	2.193	2.750	2.250	1
1018	00804	18	none	no	3.132	.875	1.500	1
1018M	00805	18	350-6	no	3.257	1.375	1.500	1
1018B	00806	18	none	yes	3.132	2.250	2.250	1
1018MB	00807	18	350-6	yes	3.257	2.750	2.250	1
1024	00808	24	none	no	4.196	.875	1.500	1
1024M	00809	24	350-6	no	4.321	1.375	1.500	1
1024B	00810	24	none	yes	4.196	2.250	2.250	1
1024MB	00811	24	350-6	yes	4.321	2.750	2.250	1
1030	00812	30	none	no	5.260	.875	1.500	1
1030M	00813	30	350-6	no	5.385	1.375	1.500	1
1030B	00814	30	none	yes	5.260	2.250	2.250	1
1030MB	00815	30	350-6	yes	5.385	2.750	2.250	1
1036	00816	36	none	no	6.324	.875	1.500	1
1036M	00817	36	350-6	no	6.449	1.375	1.500	1
1036B	00818	36	none	yes	6.324	2.250	2.250	1
1036MB	00819	36	350-6	yes	6.449	2.750	2.250	1
1042	00820	42	none	no	7.388	.875	1.500	1
1042M	00821	42	350-6	no	7.513	1.375	1.500	1
1042B	00822	42	none	yes	7.388	2.250	2.250	1
1042MB	00823	42	350-6	yes	7.513	2.750	2.250	1

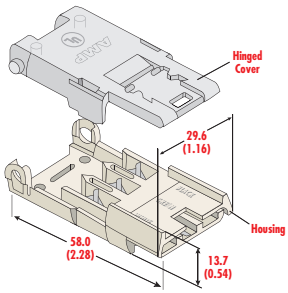
### 225A NEUTRAL 600 VAC

CATALOG NO.	UPC CODE	NO. OF 4-14 AWG CIRCUITS	NO. OF 1/0-14 AWG CIRCUITS	MAIN LUG SIZE	MOUNTING BASE	LENGTH	HEIGHT	WIDTH	CTN. QTY.
2024	00830	20	4	none	no	4.332	1.025	1.687	1
2024M	00831	20	4	350-6	no	4.457	1.525	1.687	1
2024B	00832	20	4	none	yes	4.332	2.400	2.437	1
2024MB	00833	20	4	350-6	yes	4.457	2.900	2.437	1
2030	00834	26	4	none	no	5.244	1.025	1.687	1
2030M	00835	26	4	350-6	no	5.369	1.525	1.687	1
2030B	00836	26	4	none	yes	5.244	2.400	2.437	1
2030MB	00837	26	4	350-6	yes	5.369	2.900	2.437	1
2036	00838	32	4	none	no	6.156	1.025	1.687	1
2036M	00839	32	4	350-6	no	6.281	1.525	1.687	1
2036B	00840	32	4	none	yes	6.156	2.400	2.437	1
2036MB	00841	32	4	350-6	yes	6.281	2.900	2.437	1
2042	00842	38	4	none	no	7.068	1.025	1.687	1
2042M	00843	38	4	350-6	no	7.193	1.525	1.687	1
2042B	00844	38	4	none	yes	7.068	2.400	2.437	1
2042MB	00845	38	4	350-6	yes	7.193	2.900	2.437	1

# Connectors

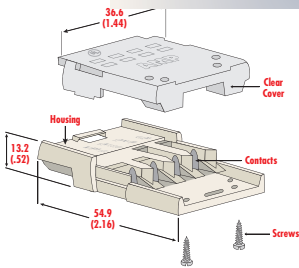
## NM SPLICE & TAP

### NMS -2 (SPLICE)



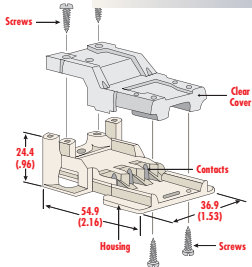
For splicing 12 or 14 awg solid conductor, 2-conductor cable with ground. Hinged cover makes termination fast and easy. The NMS-2 kit includes everything required to make a two conductor splice.

### NMS - 3 (SPLICE)



For splicing 12 or 14 awg solid conductor, 3-conductor cable with ground. The NMS-3 kit includes everything required to make a three conductor splice.

### NMT - 2 (TAP)



For tapping into 12 or 14 awg solid conductor 2-conductor cable with ground. The NMT-2 kit includes everything required to complete a two conductor tap.

## ELIMINATE COSTLY AND TIME-CONSUMING JUNCTION BOXES

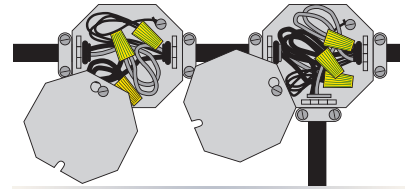
The NSi NM Splice & Tap method provides a fast and reliable way to connect 12 and 14 AWG circuits using non-metallic (NM) cable.

It eliminates the need for junction boxes, covers, fittings, connectors – and is

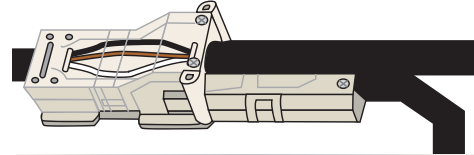
approved for use in a variety of applications including: residential branch circuits, manufactured housing and pre-fabricated building structures. When adding new circuits in residential applications, NM connectors eliminate both the need to cut into the existing wiring and the extra junction boxes and associated hardware required for the tap connection.

In factory installations within pre-fabricated structures, the NM connectors eliminate costly time-consuming on-site wiring. As individual modules are joined, splices and taps are simply snapped together easily by assembly crews with no special training or tools.

Termination is easy. Split the cable, remove the sheathing and cut the splice conductors to length (if necessary). With the tap, individual conductors do not need to be stripped, only exposed. Clear cover installation is done with slip-joint pliers. The installation displacement contacts eliminate the need to strip individual conductors. Simply plug the connectors together and the installation is complete.



CONVENTIONAL TAPPING METHOD



NSi NM SPLICE & TAP METHOD

## NON-METALLIC CABLE SPLICES AND TAPS

CATALOG NO.	UPC CODE	WIRE RANGE	KIT DESCRIPTION	CARTON QTY.
NMS-2	00320	12 – 14 AWG	splice for 2-conductor cable with ground	25
NMS-3	00321	12 – 14 AWG	splice for 3-conductor cable with ground	25
NMT-2	00322	12 – 14 AWG	splice and tap kit for 2-conductor cable	12



## TRANSFORMER LUG KITS - MECHANICAL SET-SCREW TYPES



Terminal lugs are dual rated for use with both copper and aluminum cables.

CAT. NO.	UPC CODE	TRANSFORMER KVA SIZE	TERMINAL LUGS INCLUDED			HARDWARE INCLUDED		SHPG. WT. /KIT
			QTY.	LUG TYPE	WIRE RANGE	QTY.	BOLT SIZE	
LK-1	05100	15-37-1/2 1 $\phi$ 15-45-3 $\phi$	8 4	2T 250T	2-14 250 MCM-6	8	1/4-20 x 3/4	1
LK-2	05101	50-75 1 $\phi$ 75-112-1/2 3 $\phi$	12	250T	250 MCM-6	8 8	1/4-20 x 3/4 1/4-20 x 1 3/4	2
LK-3	05102	100-167 1 $\phi$ 150-300 3 $\phi$	3 22	250T 600T	250 MCM-6 600 MCM-2	3 16	1/4-20 x 3/4 3/8-16 x 2	6
LK-4	05103	500 3 $\phi$	29	600T	600 MCM-2	18	3/8-16 x 2	14
LK-5	05104	15-25 1 $\phi$ 15-37 1/2 3 $\phi$	7	0T	1/0-14	7	1/4-20 x 1 1/2	1
LK-6	05105	37 1/2-50 1 $\phi$ 45-75 3 $\phi$	7 6 3	250T 350T 0T	250 MCM-6 350 MCM-6 1/0-14	7 3	5/16-16 x 1 1/2 1/4-20 x 1	3
LK-7	05106	75-100 1 $\phi$ 100-150 3 $\phi$	6 6	2-350T 350T	350 MCM-6 350 MCM-6	6 13	1/2-13 x 2 3/8-16 x 1 1/2	6
LK-8	05107	225 3 $\phi$	3 4	500T 2-600T	500 MCM-4 600 MCM-2	7	3/8-16 x 2	6
LK-9	05108	300 3 $\phi$	3 12	2-350T 500T	350 MCM-6 500 MCM-4	7 4	1/2-13 x 2 1/2-13 x 2 1/2	8
LK-10	05109	400-500 3 $\phi$	16 3	800T 2-600T	800-300 MCM 600 MCM-2	11	1/2-13 x 2 1/2	15

# NSi

These NSi  
Grounding clamps  
meet 2005  
NEC Code  
250.52

- G-1-S-DBR
- G-140DB
- GLC-140DB
- GLC-12DB
- GLC-12RDB

rebar • water pipe • copper tubing • ground rods



## GO DEEP!

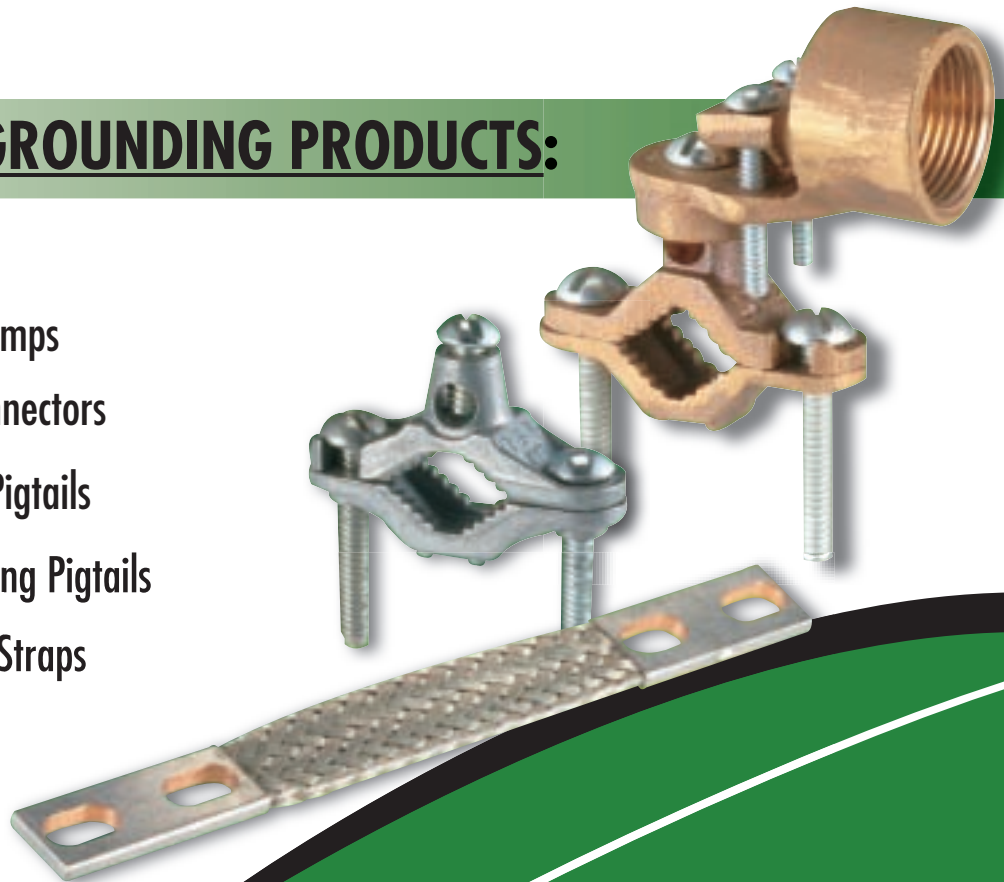
WITH NSi'S DIRECT BURIAL GROUNDING OFFERING



**NSi's Heavy Duty Direct Burial Clamps** are UL listed for direct burial in earth or concrete; handling just about any size ground wire and just about any application. Meeting the 2005 NEC Code 250.52 for UFER grounding method, NSi's G-1-DBR, G-140DB, GLC-140DB, GLC-12DB, and GLC-12RDB are suitable up to 1" diameter for: rebar, water pipe, copper tubing and grounding rods.

## OTHER GREAT GROUNDING PRODUCTS:

- Isolated Ground Bars
- Dual Rated Ground Clamps
- Winged Grounding Connectors
- Solid Wire Grounding Pigtails
- Stranded Wire Grounding Pigtails
- Flexible Braid Jumper Straps



**...another great connection.**

### APPENDIX A:

## INSTALLATION INSTRUCTIONS FOR DUAL RATED ALUMINUM CONNECTORS

1. Select proper lugs or splice connector for the size of cable being installed, make sure that the size matches the description in the table below.
2. Strip the insulation from the conductor to a length so that the stripped area of the conductor can be completely inserted into and fill up the barrel of the lug or splice. Carefully strip the insulation from the conductor without nicking the strands.
3. Wire brush the stripped portion of the conductor to remove any oxide films.
4. The stripped portion of the conductor must be clean and inserted completely into the connector barrel.
5. Install 1 crimp for cable range 6 AWG to 1 AWG per insertion and 2 crimps for cable range beginning from 1/0 AWG to 750 MCM per insertion.

### REPRESENTATIVE CRIMPING LOCATIONS



CABLE SIZE	DIE COLOR CODE	BURNDY Y35 DIE SETS	BURNDY DIE INDEX	NSI DIE INDEX	HUSKIE DIE INDEX
6 AWG	GREY	U6CABT	7	AT	AT
4 AWG	GREEN	U4CABT	375	GM	GM
2 AWG	PINK	U2CABT	348	GF	GF
1 AWG	GOLD	U1CART	471	-	-
1/0 AWG	TAN	U25ART	296	EX	EX
2/0 AWG	OLIVE	U26ART	297	EY	EY
3/0 AWG	RUBY	U27ART	467	GW	GW
4/0 AWG	WHITE	U28ART	298	EZ	EZ
250 MCM	RED	U29ART	324	FW	FE
300 MCM	BLUE	U30ART	470	BK	BK
350 MCM	BROWN	U31ART	299	FA	FA
400 MCM	GREEN	U32ART	472	BM	BM
500 MCM	PINK	U34ART	300	FB	FB
600 MCM	BLACK	U36ART	473	BP	BP
750 MCM	YELLOW RED	U39ART	939	LJ	LJ
1000 MCM	BROWN	P44ART	302	-	-

#### NOTES

USE SINGLE OR MULTIPLE CRIMPS. FILL THE CONNECTOR BARREL WITH CRIMPS.

The following mechanical crimp tools can also be used with NSi Compression Connectors.

A. Up to 4/0 AWG Class B & C Aluminium or Copper Cable - Penn-Union TDM-250 or TDM-500 & Burndy MY29-3.

B. Up to 500 MCM Class B & C Aluminium or Copper Cable - Penn-Union TDM-500.

### APPENDIX B:

## INSTALLATION INSTRUCTIONS FOR COPPER COMPRESSION CONNECTORS

1. Select the proper lug or splice connector for the size of the cable being installed. Make sure that the size matches the description and details in the table.
2. Strip the insulation from the conductor to a length so that the stripped area of the conductor can be completely inserted into and fill up the barrel of the lug or splice. Be careful not to nick the copper conductor when stripping the installation.
3. Wire brush the stripped portion of the conductor to remove any oxide films.
4. The stripped portion of the conductor must be clean and inserted completely into the connector barrel.
5. Select the correct installation die from below and install using one of the following approved tools - NSi, Burndy, Thomas & Betts, IlSCO or Huskie. Install as many crimps as possible leaving a space of 1/8 inch maximum between successive crimps unless overlapped to fill the connector barrel. Narrow dies will require more crimps than wide dies.

### REPRESENTATIVE CRIMPING LOCATIONS



CABLE SIZE	COLOR CODE	NSI TOOL DIE INDEX	T & B TOOL DIE INDEX	ILSCO TOOL DIE INDEX	HUSKIE TOOL DIE INDEX	BURNDY TOOL DIE INDEX
8 AWG	RED	-	21	-	-	-
6 AWG	BLUE	AT	24	ILD-2	AT	7
4 AWG	GRAY	AU	29	ILD-3	AU	8
3 AWG	WHITE	-	33	-	-	9
2 AWG	BROWN	AW	33	ILD-4	AW	10
1 AWG	GREEN	GM	37	ILD-4	GM	11
1/0 AWG	PINK	AY	42H	ILD-5	AY	12
2/0 AWG	BLACK	AZ	45	ILD-6	AZ	13
3/0 AWG	ORANGE	BA	50	ILD-9	BA	14
4/0 AWG	PURPLE	BC	54H	ILD-10	BC	15
250 MCM	YELLOW	BE	62	ILD-11	BE	16
300 MCM	WHITE	BF	66	ILD-12	BF	17
350 MCM	RED	BJ	71H	ILD-13	BJ	18
400 MCM	BLUE	BK	76	ILD-14	BK	19
500 MCM	BROWN	BL	87H	ILD-15	BL	20
600 MCM	GREEN	HH	94H	ILD-16	HH	472
750 MCM	BLACK	BP	106H	ILD-17	BP	24
1000 MCM	WHITE	-	-	-	-	27

#### NOTES

USE SINGLE OR MULTIPLE CRIMPS. FILL THE CONNECTOR BARREL WITH CRIMPS.

The following mechanical crimp tools can also be used with NSi Compression Connectors.

A. Up to 250 MCM Class B & C Copper Cable - NSi M-250, Penn-Union TDM-250, TDM-500 & Burndy MY29-3.

B. Up to 500 MCM Class B & C Copper Cable - Penn-Union TDM-500, M-500.

C. Up to 3/0 AWG Class I & K Copper Cable - Penn-Union TDM-250XF & Burndy MY29-11.



## INNOVATION.

### **Polaris™ The Original**

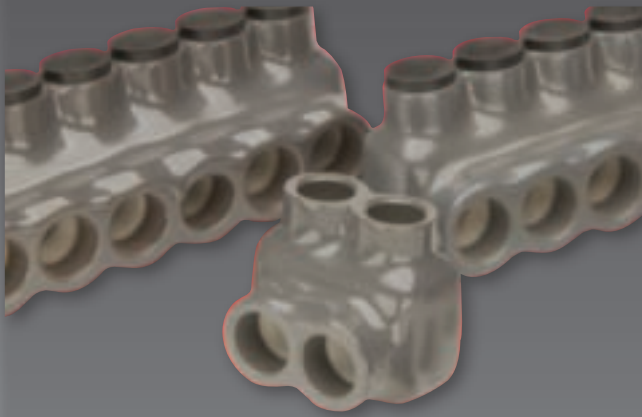
The centerpiece of NSi's incredible product offering, Polaris™ in original black is the insulated connector that every other connector copies. Its introduction marked the beginning of a new age, providing the fastest, safest, most professional connection possible. In-line, wire entry from either side, multi-cable, stacked – if you have a need, there's a Polaris™ that works for you.



## FLEXIBILITY.

### **Polaris™ Custom**

What's better than the best insulated connector on the market? The best insulated connector that YOU configure, of course! Choose your wire combination & quantity of ports and we'll custom engineer and fabricate your connector. Your custom connector will even be UL rated! Whether Black, Grey or Blue, we'll build the connector you specify. Shipment can be made in only 3-4 days, call us at 800.321.5847 to discuss your custom Polaris™ today.



## DETAIL.

### **Polaris Grey™**

Perfect for motors, Polaris Grey™ provides the unique ability to connect or terminate fine-stranded, flexible, and ultra-flexible copper cable whenever maintenance or repair are required. With an integral sleeve that protects fine strands and reduces stress on the conductor, you can connect, disconnect and reconnect with ease.

UL listed for use with fine-stranded, flexible and ultra-flexible copper cables.

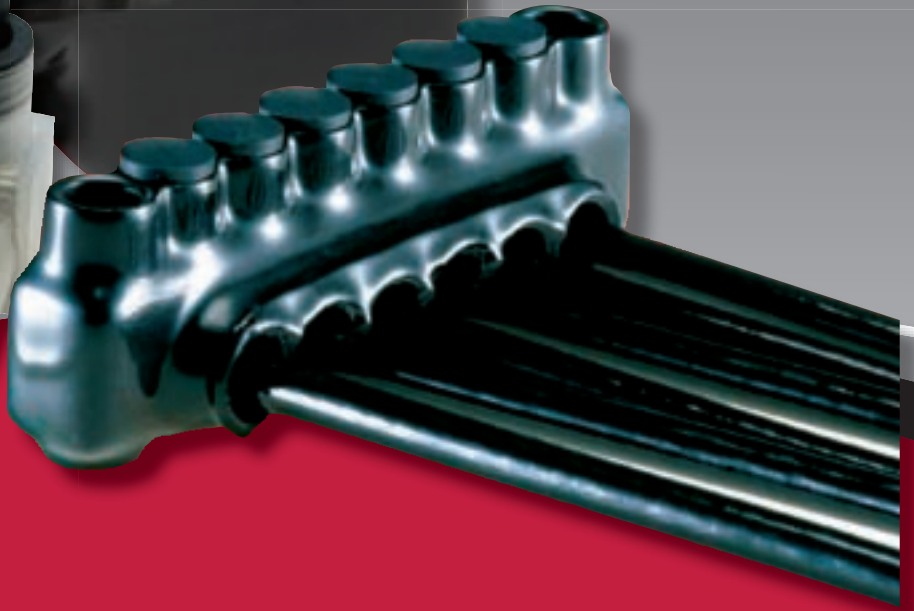


## VISION.

### **Polaris Blue™**

Finally, a Polaris™ for everything: Polaris Blue™ is UL listed for direct burial AND submersible applications. Its only limitation is the cable's limitation...so it goes everywhere you need it to. And of course, custom Polaris Blue™ is also an option.

UL486D for Direct Burial/Below grade use and submersible.

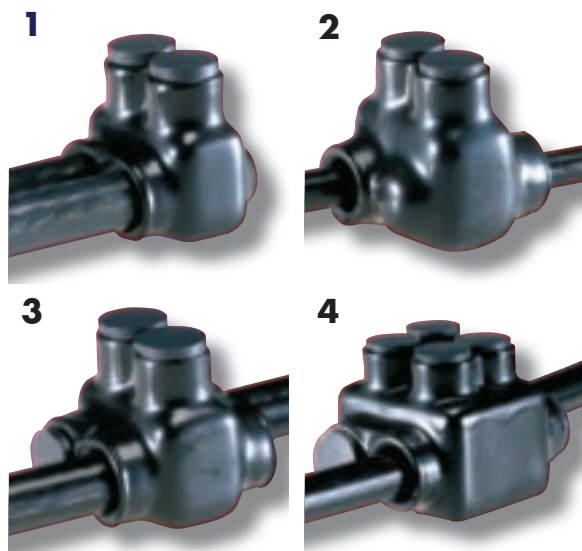




POLARIS™  
CONNECTORS



**IT SERIES** 



Insul-Tap connectors are suitable for connecting two wires. For sizes 3/0 AWG and smaller, they are available in two styles – with wires being connected from the same side of the connector (Figure 1) or opposite sides of the connector (Figure 2).

For sizes 250 MCM and larger, they are provided with open wire entry ports on both sides of the connector (Figure 3), which allows for access from either side. This style is supplied with removable access plugs to close the entry port not being utilized.

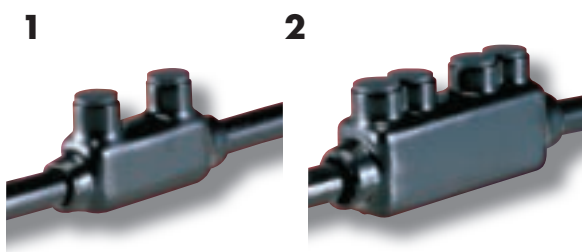
Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Dual rated for use with copper and/or aluminum cables. 600 volts. 90°C. To receive the material in bags, add “-B” to the catalog number.

Not recommended for fine-stranded, flexible wire. See Polaris Grey™ Series page 88.

CATALOG NO.	UPC CODE	FIGURE	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS.EA
				LENGTH	HEIGHT	WIDTH			
IT-4	95001	1	4-14	1.07	1.50	1.12	slotted	12	.06
ITO-4	95002	2	4-14	1.07	1.50	1.25	slotted	12	.06
IT4-A	95021	1	4-14	1.07	1.5	1.12	1/8	12	.06
IT4-S	95000	not pictured	4-14	0.7	1.5	1.12	slotted	12	.03
IT-1/0	95003	1	1/0-14	1.62	1.75	1.62	3/16	6	.13
ITO-1/0	95004	2	1/0-14	1.62	1.75	1.75	3/16	6	.13
IT-3/0	95005	1	3/0-6	1.84	1.87	1.75	1/4	6	.19
ITO-3/0	95006	2	3/0-6	1.84	1.87	1.87	1/4	6	.19
ITO4-A	78924	2	4-14	1.07	1.5	1.25	1/8	12	.06
IT-250	95007	3	250-6	2.12	2.13	2.31	5/16	6	.24
IT-350	95008	3	350-6	2.47	2.44	2.50	5/16	4	.39
IT-500	95009	3	500-4	2.87	2.94	2.81	5/16	4	.53
IT-600††	78944	3	600-6	3.24	3.05	2.94	5/16	4	.80
IT-750*	95010	3	750-250	3.48	3.50	3.50	3/8	2	.94
ITH-750	92640	4	750-250	3.48	3.50	4.50	5/16	2	1.75

†† 600 Series are AL7CU and 75°C \*Not UL Listed

**ISR SERIES** 



ISR Series connectors are suitable for connecting two wires in-line. Insulated with high dielectric strength plastisol and molded for precise fit. Supplied with removable access plugs over the hex screw.

Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Dual rated for use with copper and/or aluminum cables. 600 volts. 90°C. Not recommended for use with extra-flexible cables. See Polaris Grey™ Series page 88.

UPC NO.	UPC. NO	FIGURE	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
ISR-1/0	95101	1	1/0-14	3.25	1.48	.90	3/16	4	.15
ISR-250	95102	1	250-6	4.00	1.90	1.19	5/16	4	.34
ISR-350	95103	1	350-6	4.47	2.20	1.32	5/16	2	.51
ISR-500	95104	1	500-4	4.62	3.00	1.62	5/16	2	.72
ISR-600††	78945	1	600-6	5.83	3.05	1.57	5/16	2	1.0
ISRH-750	92645	2	750-250	7.25	3.25	1.75	5/16	2	1.85

†† 600 Series are AL7CU and 75°C

**ISW SERIES - DIRECT BURIAL AND SUBMERSIBLE IN-LINE SPLICER/REDUCERS**



ISW Series connectors are suitable for connecting two wires in-line and are UL Listed for direct burial and submersible applications (UL486D). Insulated with specially formulated high-strength dielectric plastisol and molded for precise fit for a direct burial connection. Requires no taping, compounds, heat shrink or cutting-to-size in the

field. Supplied with removable access plugs over the hex screws. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Suitable for use with aluminum and/or copper conductors. 600 volts. 90°C. Reusable.

CAT. NO.	UPC CODE	WIRE RANGE URD/USE THHN/XHHW*	INSULATION		HEX SIZE	WEIGHT LBS.	(INCHES)			STRIP LENGTH	TIGHTENING TORQUE
			MIN DIA	MAX DIA			LENGTH	HEIGHT	WIDTH		
ISW-4	78925	4-6 AWG	0.244	0.412	slotted	.12	6.39	1.38	.75	13/16	45
ISW-1	78926	1-2 AWG	0.352	0.582	3/16	.20	6.83	1.68	.88	27/32	150
ISW-3/0	78927	3/0-1/0 AWG	0.462	0.720	1/4	.25	7.05	1.78	.94	7/8	250
ISW-250	78928	250-4/0 AWG	0.618	0.895	5/16	.40	7.58	2.13	1.13	1 1/8	360

Approved for use with all conductors with insulation suitable for wet and/or damp locations. (Not recommended for use with extra flexible cable. See Polaris Grey™, page 88).  
\* Not suitable for direct burial with THHN/XHHW wire. For use in enclosures only. A properly installed connector will have no more than one conductor per port.

**IPLW AND ITW MULTI-CABLE CONNECTORS**



Suitable for connecting multiple wires and are UL Listed (UL486D) for direct burial and submersible applications. Insulated with specially formulated high-strength dielectric plastisol and molded for precise fit for a direct burial connection. Requires no taping, compounds, heat shrink or cutting-

to-size in the field. Supplied with removable access plugs over the hex screws. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Suitable for use with aluminum and/or copper conductors. 600 volts. 90°C.

CAT. NO.	UPC CODE	NO. OF PORTS	WIRE RANGE URD/USE THHN/XHHW*	INSULATION		HEX SIZE	WEIGHT LBS.	(INCHES)			STRIP LENGTH	TNG. TORQ.
				MIN DIA	MAX DIA			LENGTH	HEIGHT	WIDTH		
ITW-4	95123	2	4-6 AWG	.244	.412	slotted	.11	1.68	1.38	3.26	3/16	45
IPLW4-3	95115	3	4-6 AWG	.244	.412	slotted	.19	2.64	1.38	3.26	3/16	45
IPLW4-4	95116	4	4-6 AWG	.244	.412	slotted	.27	3.61	1.38	3.26	3/16	45
IPLW4-5	78929	5	4-6 AWG	.244	.412	slotted	.35	4.57	1.38	3.26	3/16	45
IPLW4-6	78930	6	4-6 AWG	.244	.412	slotted	.43	5.54	1.38	3.26	3/16	45
ITW-1	95126	2	1-2 AWG	.352	.582	3/16	.19	1.87	1.68	3.55	27/32	150
IPLW1-3	95121	3	1-2 AWG	.352	.582	3/16	.29	2.80	1.68	3.55	27/32	150
IPLW1-4	95122	4	1-2 AWG	.352	.582	3/16	.39	3.72	1.68	3.55	27/32	150
IPLW1-5	78931	5	1-2 AWG	.352	.582	3/16	.49	4.65	1.68	3.55	27/32	150
IPLW1-6	78932	6	1-2 AWG	.352	.582	3/16	.59	5.57	1.68	3.55	27/32	150
ITW-3/0	95124	2	3/0-1/0 AWG	.462	.720	1/4	.27	2.37	1.78	3.78	7/8	250
IPLW3/0-3	95117	3	3/0-1/0 AWG	.462	.720	1/4	.54	3.57	1.78	3.78	7/8	250
IPLW3/0-4	95118	4	3/0-1/0 AWG	.462	.720	1/4	.81	4.77	1.78	3.78	7/8	250
IPLW3/0-5	78933	5	3/0-1/0 AWG	.462	.720	1/4	1.08	5.97	1.78	3.78	7/8	250
IPLW3/0-6	78934	6	3/0-1/0 AWG	.462	.720	1/4	1.35	7.17	1.78	3.78	7/8	250
ITW-250	95125	2	250-4/0 AWG	.618	.895	5/16	.40	2.57	2.13	3.94	1 1/8	360
IPLW250-3	95119	3	250-4/0 AWG	.618	.895	5/16	.62	3.81	2.13	3.94	1 1/8	360
IPLW250-4	95120	4	250-4/0 AWG	.618	.895	5/16	.84	5.11	2.13	3.94	1 1/8	360
IPLW250-5	78935	5	250-4/0 AWG	.618	.895	5/16	1.06	6.41	2.13	3.94	1 1/8	360
IPLW250-6	78936	6	250-4/0 AWG	.618	.895	5/16	1.28	7.71	2.13	3.94	1 1/8	360

Approved for use with all conductors with insulation suitable for wet and/or damp locations. (Not recommended for use with extra flexible cable. See Polaris Grey™, page 88).  
A properly installed connector will have no more than one conductor per port.

**POLARIS BLUE CUSTOM CONNECTORS**

Let us custom engineer and fabricate a UL Listed direct burial and submersible insulated connector for your next project. Choose any combination and quantity of our standard Polaris Blue and we'll build a connector to

meet your exact requirements. Wire entry can even be from either side of the connector, based on your specific project needs. UL486D for direct burial or below grade use and submersible applications.

**ISPB AND ISPC SERIES – SUBMERSIBLE PEDESTAL CONNECTORS**



These hefty pedestal connectors are manufactured from high strength 6061-T6 aluminum alloy, providing premium electrical and mechanical performance. Radial tipped set screws reduce conductor strand damage, and the range taking design allows for many sizes and types of conductors – all in one connector. Encapsulated in rubber with a nominal thickness of 125mils and high dielectric

strength. Connectors meet or exceed ANSI C119.4 Class A specifications. Clear pedestal connectors (ISPC) allow for an easier installation. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Suitable for use with aluminum and/or copper conductors. 600 volts. 90°C.

CAT. NO.	UPC CODE	WIRE RANGE		NO. OF PORTS	COLOR	HEX SIZE	WEIGHT LBS. EA	(INCHES)			STRIP LENGTH	TIGHTENING TORQUE
		AWG	MM					LENGTH	HEIGHT	WIDTH		
<b>BLACK</b>												
ISPB350-4	78896	350-12	185-16	4	black	5/16	.71	2.46	4.06	4.75	1 - 1/8	360 in - lbs
ISPB350-6	78897	350-12	185-16	6	black	5/16	1.07	2.46	4.06	7.00	1 - 1/8	360 in - lbs
<b>CLEAR</b>												
ISPC350-3	78901	350-12	185-16	3	clear	5/16	.51	2.46	4.06	3.625	1 - 1/8	360 in - lbs
ISPC350-4	78902	350-12	185-16	4	clear	5/16	.69	2.46	4.06	4.75	1 - 1/8	360 in - lbs
ISPC350-6	78903	350-12	185-16	6	clear	5/16	1.04	2.46	4.06	7.00	1 - 1/8	360 in - lbs

Other sizes available. Contact factory for price and delivery.

# Polaris™

## Take a close look.

- Insulated with high-dielectric strength plastisol
- Molded for precise fit and supplied with removable access plugs over the hex screws
- Option with wire entry ports on both sides of the connector allow for access from either side
- Supplied with removable plugs to close the entry port not being utilized
- Eliminates the need for cover and taping
- Abrasion and chemical resistant
- UV rated



# POLARIS GREY™

Perfect for fine-stranded wire.



Connect, disconnect, and reconnect with ease when you use Polaris Grey™ for your fine-stranded, flexible, and extra-flexible copper cable connections. Motor replacement and maintenance have never been this simple; strip the cable upon installing, and never strip again. No need to replace the wire because you had to cut off the connector. Polaris Grey™ unique sleeve makes the connection as reliable as a compression connection, but so much easier! Polaris Grey™ has the same exceptional features as original Polaris

(black) with the unique ability to connect and terminate fine-stranded cables easily and safely whenever maintenance or replacement is required. For copper cables only, Polaris Grey™ is abrasion and chemical resistant, cold temperature rated to 45°C, rated 600V, 90°C, and three sizes cover 14 to 3/0 AWG. Its reuseability makes perfect for **cabletrays, troughs, wireways, raceways, ducts, and motor junction boxes**. UL listed for use with fine-stranded, flexible, and extra-flexible copper cables.

**...a reliable connection.**

**POLARIS GREY™** 



Polaris Grey™ can be used with virtually any kind of copper conductor, but is specifically designed for use with fine-stranded, flexible and extra-flexible copper conductors. This includes DLO cable and motor lead wire, which makes it excellent for use in motor connect/disconnect applications.

Polaris Grey™ combines all the exceptional features of original support combustion. It is cold temperature rated to -45°C, rated 600V, 90°C.

- Safe: insulated with high dielectric strength plastisol for tough mechanical protection;
- Factory applied insulation provides consistent quality and protection;
- Abrasion and chemical resistant;

- Fast: eliminates the need for cover and taping – supplied with removable access plugs over the hex screws to protect against contamination;
- Easy: three sizes cover 14 to 3/0 AWG;
- UL Listed for all types of flexible, fine-stranded wires, uniquely color-coded grey;
- Reusable: ideal for cabletrays, troughs, wireways, raceways, ducts and motor junction boxes;
- Economical.

CAT. NO.	UPC CODE	NO. OF PORTS	WIRE RANGE BY CLASSIFICATION		LENGTH	(INCHES)		HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
			CLASS B, C, D	CLASS K, M, I		HEIGHT	WIDTH			
ITG-6	95140	2	6-14 AWG	6-14 AWG	1.07	1.50	1.12	1/8	12	.06
ITOG-6	95141	2	6-14 AWG	6-14 AWG	1.07	1.50	1.25	1/8	12	.06
IPLG6-3	95142	3	6-14 AWG	6-14 AWG	1.54	1.50	1.12	1/8	12	.08
IPLG6-4	95143	4	6-14 AWG	6-14 AWG	1.97	1.50	1.12	1/8	6	.11
IPLG6-6	95145	6	6-14 AWG	6-14 AWG	2.28	1.50	1.12	1/8	6	.16
ITG-1	95146	2	1-10 AWG	2-10 AWG	1.62	1.75	1.62	3/16	6	.13
ITOG-1	95147	2	1-10 AWG	2-10 AWG	1.62	1.75	1.75	3/16	6	.13
IPLG1-3	95149	3	1-10 AWG	2-10 AWG	2.27	1.75	1.62	3/16	6	.19
IPLG1-4	95150	4	1-10 AWG	2-10 AWG	2.92	1.75	1.62	3/16	6	.26
IPLG1-6	95152	6	1-10 AWG	2-10 AWG	4.22	1.75	1.62	3/16	6	.38
ITG-3/0	95153	2	3/0-4 AWG	2/0-2 AWG	1.84	1.87	1.75	3/16	6	.19
ITOG-3/0	95154	2	3/0-4 AWG	2/0-2 AWG	1.84	1.87	1.87	3/16	6	.19
IPLG3/0-3	95155	3	3/0-4 AWG	2/0-2 AWG	2.65	1.87	1.75	3/16	6	.28
IPLG3/0-4	95156	4	3/0-4 AWG	2/0-2 AWG	3.43	1.87	1.75	3/16	6	.37
IPLG3/0-6	95158	6	3/0-4 AWG	2/0-2 AWG	4.99	1.87	1.75	3/16	4	.56

For display bags with a mounting hole for hanging, add the suffix “-B” to the part number.

**Protect those fine-stranded wires with Polaris Grey™.**

Here’s our secret: Polaris Grey™ comes with an integral sleeve which protects the fine strands and helps the conductor maintain its shape during the tightening process. The sleeve eliminates breakage of the strands and reduces stress on the conductor and therefore the potential for hot-spots. Replacement sleeves can be purchased separately.

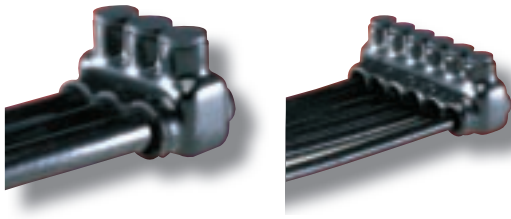
Specially designed for connecting and terminating fine-stranded, flexible copper conductors. Polaris Grey™ combines the reliability and safety of a compression connection with the ease, affordability and flexibility of a mechanical connection.

Motor replacement is now really easy. Simply strip the cable, insert it into Polaris Grey™, tighten the hex head screw, replace the cap.

**POLARIS GREY™ REPLACEMENT SLEEVES**

CATALOG NO.	UPC CODE	DESCRIPTION	FITS SERIES	PACKAGE QTY.
SITG-6	95160	Sleeves for Polaris Grey™	ITG-6	10
SITG-1	95161	Sleeves for Polaris Grey™	ITG-1	10
SITG-3/0	95162	Sleeves for Polaris Grey™	ITG-3/0	10

### IPL SERIES



IPL Series connectors are insulated with high-dielectric strength plastisol. Molded for precise fit and supplied with removable access plugs over the hex screws. Wire entry ports on one side only. Eliminates the need for cover and taping. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Dual rated for use with copper and/or aluminum cables. Rated 600 V, 90°C. Not recommended for fine-stranded, flexible wire. To receive the material in bags, add "-B" to the part number.

CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
IPL 4-3	91001	3	4-14	1.54	1.50	1.12	slotted	12	.08
IPL4-3A	91021	3	4-14	1.54	1.5	1.12	1/8	12	.08
IPL 4-4	91002	4	4-14	1.97	1.50	1.12	slotted	6	.11
IPL4-4A	91022	4	4-14	1.97	1.5	1.12	1/8	6	.11
IPL 4-5	91003	5	4-14	2.39	1.50	1.12	slotted	6	.13
IPL 4-6	91004	6	4-14	2.82	1.50	1.12	slotted	6	.16
IPL 4-8	91006	8	4-14	3.65	1.50	1.12	slotted	4	.21
IPL4-8A	91026	8	4-14	3.65	1.5	1.12	1/8	4	.21
IPL 4-10	91008	10	4-14	4.50	1.50	1.12	slotted	4	.26
IPL4-10A	78906	10	4-14	4.5	1.5	1.12	1/8	4	.26
IPL 4-12	91010	12	4-14	5.10	1.50	1.12	slotted	3	.31
IPL 4-14	91012	14	4-14	6.18	1.50	1.12	slotted	2	.36
IPL 1/0-3	91101	3	1/0 - 14	2.27	1.75	1.62	3/16	12	.19
IPL 1/0-4	91102	4	1/0 - 14	2.92	1.75	1.62	3/16	6	.26
IPL 1/0-5	91103	5	1/0 - 14	3.57	1.75	1.62	3/16	6	.32
IPL 1/0-6	91104	6	1/0 - 14	4.22	1.75	1.62	3/16	6	.38
IPL 1/0-8	91106	8	1/0 - 14	5.52	1.75	1.62	3/16	4	.51
IPL 1/0-10	91108	10	1/0 - 14	6.82	1.75	1.62	3/16	4	.63
IPL 1/0-12	91110	12	1/0 - 14	8.12	1.75	1.62	3/16	3	.76
IPL 1/0-14	91112	14	1/0 - 14	9.42	1.75	1.62	3/16	2	.88
IPL 3/0-3	91201	3	3/0 - 6	2.65	1.87	1.75	1/4	6	.28
IPL 3/0-4	91202	4	3/0 - 6	3.43	1.87	1.75	1/4	6	.37
IPL 3/0-5	91203	5	3/0 - 6	4.21	1.87	1.75	1/4	4	.46
IPL 3/0-6	91204	6	3/0 - 6	4.99	1.87	1.75	1/4	4	.56
IPL 3/0-8	91206	8	3/0 - 6	6.56	1.87	1.75	1/4	3	.74
IPL 250-3	91301	3	250 - 6	2.99	2.13	2.19	5/16	6	.35
IPL 250-4	91302	4	250 - 6	3.85	2.13	2.19	5/16	6	.47
IPL 250-5	91303	5	250 - 6	4.71	2.13	2.19	5/16	4	.58
IPL 250-6	91304	6	250 - 6	5.57	2.13	2.19	5/16	4	.70
IPL 250-8	91306	8	250 - 6	7.29	2.13	2.19	5/16	3	.93
IPL 350-3	91401	3	350-6	3.52	2.44	2.38	5/16	4	.59
IPL 350-4	91402	4	350-6	4.57	2.44	2.38	5/16	3	.77
IPL 350-5	91403	5	350-6	5.62	2.44	2.38	5/16	3	.96
IPL 350-6	91404	6	350-6	6.67	2.44	2.38	5/16	2	1.14
IPL 350-8	91406	8	350-6	8.77	2.44	2.38	5/16	2	1.50

## IPL SERIES CONTINUED

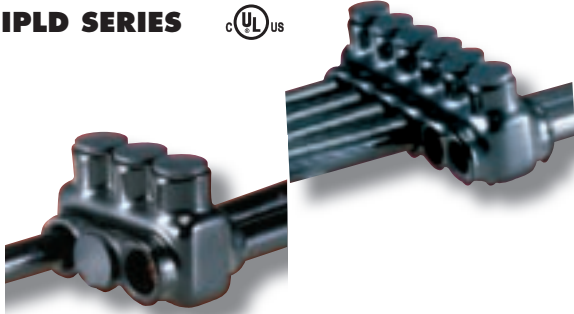


CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
IPL 500-3	91501	3	500-4	4.01	2.94	2.69	5/16	3	.79
IPL 500-4	91502	4	500-4	5.16	2.94	2.69	5/16	3	1.05
IPL 500-5	91503	5	500-4	6.23	2.94	2.69	5/16	2	1.31
IPL 500-6	91504	6	500-4	7.45	2.94	2.69	5/16	2	1.57
IPL 500-7	91505	7	500-4	8.59	2.94	2.69	5/16	2	1.83
IPL 500-8	91506	8	500-4	9.74	2.94	2.69	5/16	2	2.09
IPL 600-3††	78946	3	600-6	4.52	3.05	2.70	5/16	3	1.05
IPL 600-4††	78947	4	600-6	5.76	3.05	2.70	5/16	2	1.80
IPL 600-6††	78949	6	600-6	8.48	3.05	2.70	5/16	2	2.10
IPL 750-3*	91601	3	750-250	4.90	3.50	3.38	3/8	3	1.40
IPL 750-4*	91602	4	750-250	6.33	3.50	3.38	3/8	2	1.87
IPL 750-5*	91603	5	750-250	7.75	3.50	3.38	3/8	1	2.34
IPL 750-6*	91604	6	750-250	9.18	3.50	3.38	3/8	1	2.80

†† 600 Series are AL7CU and 75°C

\* 750 MCM not UL Listed

### IPLD SERIES



The IPLD Series connectors are insulated with high-dielectric strength plastic. Molded for precise fit and supplied with removable access plugs over the hex screws. Wire entry ports on both sides of the connector allow for access from either side. Supplied with removable plugs to close the entry port not being utilized. Eliminates the need for cover and taping. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Dual rated for use with copper and/or aluminum cables. Rated 600 V, 90°C. Not recommended for fine-stranded, flexible wire. To receive the material in bags, add “-B” to the part number.

CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
IPLD 3/0-3	92701	3	3/0-6	2.63	1.75	1.75	1/4	6	.31
IPLD 3/0-4	92702	4	3/0-6	3.38	1.75	1.75	1/4	6	.41
IPLD 3/0-5	92703	5	3/0-6	4.13	1.75	1.75	1/4	4	.52
IPLD 3/0-6	92704	6	3/0-6	4.94	1.75	1.75	1/4	4	.62
IPLD 3/0-7	92705	7	3/0-6	5.75	1.75	1.75	1/4	3	.71
IPLD 3/0-8	92706	8	3/0-6	6.50	1.75	1.75	1/4	3	.81
IPLD 3/0-10	92708	10	3/0-6	8.00	1.75	1.75	1/4	2	1.00
IPLD 3/0-12	92710	12	3/0-6	9.63	1.75	1.75	1/4	2	1.20
IPLD 250-3	92301	3	250-6	2.99	2.13	2.31	5/16	6	.35
IPLD 250-4	92302	4	250-6	3.85	2.13	2.31	5/16	6	.47
IPLD 250-5	92303	5	250-6	4.71	2.13	2.31	5/16	4	.58
IPLD 250-6	92304	6	250-6	5.57	2.13	2.31	5/16	4	.70
IPLD 250-7	92305	7	250-6	6.43	2.13	2.31	5/16	3	.81
IPLD 250-8	92306	8	250-6	7.29	2.13	2.31	5/16	3	.93
IPLD 250-10	92308	10	250-6	9.02	2.13	2.31	5/16	2	1.16
IPLD 250-12	92310	12	250-6	10.74	2.13	2.31	5/16	2	1.39
IPLD 350-3	92401	3	350-6	3.52	2.44	2.50	5/16	4	.59
IPLD 350-4	92402	4	350-6	4.57	2.44	2.50	5/16	3	.77
IPLD 350-5	92403	5	350-6	5.62	2.44	2.50	5/16	3	.96
IPLD 350-6	92404	6	350-6	6.67	2.44	2.50	5/16	3	1.14
IPLD 350-7	92405	7	350-6	7.72	2.44	2.50	5/16	2	1.32
IPLD 350-8	92406	8	350-6	8.77	2.44	2.50	5/16	2	1.50
IPLD 350-9	92407	9	350-6	9.82	2.44	2.50	5/16	2	1.68
IPLD 350-10	92408	10	350-6	10.87	2.44	2.50	5/16	2	1.86
IPLD 350-12	92410	12	350-6	12.97	2.44	2.50	5/16	1	2.22
IPLD 500-3	92501	3	500-4	4.01	2.94	2.81	5/16	3	.79
IPLD 500-4	92502	4	500-4	5.16	2.94	2.81	5/16	3	1.05
IPLD 500-5	92503	5	500-4	6.23	2.94	2.81	5/16	2	1.31
IPLD 500-6	92504	6	500-4	7.45	2.94	2.81	5/16	2	1.57
IPLD 500-7	92505	7	500-4	8.59	2.94	2.81	5/16	2	1.83
IPLD 500-8	92506	8	500-4	9.74	2.94	2.81	5/16	2	2.09
IPLD 500-9	92507	9	500-4	10.88	2.94	2.81	5/16	2	2.35
IPLD 500-10	92508	10	500-4	12.03	2.94	2.81	5/16	1	2.61
IPLD 500-12	92510	12	500-4	14.32	2.94	2.81	5/16	1	3.13
IPLD 600-3††	78950	3	600-6	4.72	3.05	2.95	5/16	3	1.55
IPLD 600-4††	78951	4	600-6	5.96	3.05	2.95	5/16	3	1.70
IPLD 600-5††	78952	5	600-6	7.20	3.05	2.94	5/16	2	1.85
IPLD 600-6††	78953	6	600-6	8.38	3.05	2.94	5/16	2	2.15
IPLD 600-7††	78954	7	600-6	9.68	3.05	2.95	5/16	2	2.50
IPLD 600-8††	78955	8	600-6	10.92	3.05	2.95	5/16	2	2.85

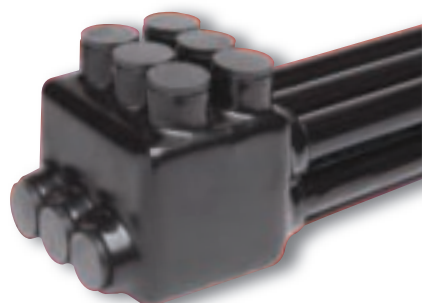
**IPLD SERIES CONTINUED**



CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
IPLD 600-9††	78956	9	600-6	12.39	3.05	2.95	5/16	2	3.30
IPLD 600-10††	78957	10	600-6	13.67	3.05	2.95	5/16	1	3.65
IPLD 600-12††	78959	12	600-6	16.17	3.05	2.95	5/16	1	4.45
IPLD 750-3*	92601	3	750-250	4.90	3.50	3.50	3/8	3	1.40
IPLD 750-4*	92602	4	750-250	6.33	3.50	3.50	3/8	2	1.87
IPLD 750-5*	92603	5	750-250	7.75	3.50	3.50	3/8	1	2.34
IPLD 750-6*	92604	6	750-250	9.18	3.50	3.50	3/8	1	2.80
IPLD 750-7*	92605	7	750-250	10.69	3.50	3.50	3/8	1	3.26
IPLD 750-8*	92606	8	750-250	12.19	3.50	3.50	3/8	1	3.73
IPLD 750-9*	92607	9	750-250	13.69	3.50	3.50	3/8	1	4.19
IPLD 750-10*	92608	10	750-250	15.19	3.50	3.50	3/8	1	4.66
IPLD 750-12*	92610	12	750-250	18.19	3.50	3.50	3/8	1	5.59

†† 600 Series are AL7CU and 75°C \* 750 MCM not UL Listed

**STACKED CONNECTORS**



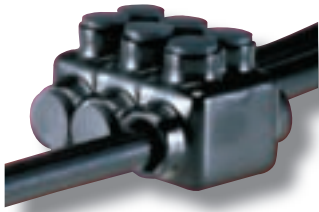
With Polaris™ Stacked Connectors you will enjoy all the benefits of standard Polaris connectors with an added space-saving bonus. Wire entry holes are stacked on top of each other for the ultimate in compact design. Exceptional for use with large wire sizes, especially in tight-fitting spaces, small wire ways and panels. The wire holes on the bottom row allow for entry from either side of the connector

for even greater versatility. Supplied with removable plugs to close the entry port not being utilized. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Dual rated for use with copper and/or aluminum cables. Rated 600 V, 90°C. Not recommended for fine-stranded flexible wire.

CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
IPLDS 350-4	79049	4	350-6	2.46	3.5	4.00	5/16	2	1.45
IPLDS 350-6	95165	6	350-6	3.52	3.50	4.00	5/16	2	2.01
IPLDS 350-8	95166	8	350-6	4.57	3.50	4.00	5/16	2	2.64
IPLDS 350-10	95167	10	350-6	5.62	3.50	4.00	5/16	1	3.27
IPLDS 350-12	95168	12	350-6	6.67	3.50	4.00	5/16	1	3.89
IPLDS 500-4	78905	4	500-4	2.77	4.32	4.69	5/16	2	2.38
IPLDS 500-6	95169	6	500-4	4.01	4.32	4.69	5/16	2	2.91
IPLDS 500-8	95170	8	500-4	5.16	4.32	4.69	5/16	2	3.76
IPLDS 500-10	95171	10	500-4	6.23	4.32	4.69	5/16	1	4.62
IPLDS 500-12	95172	12	500-4	7.45	4.32	4.69	5/16	1	5.46
IPLDS 750-6*	95173	6	750-250	4.90	5.00	5.06	3/8	1	3.93
IPLDS 750-8*	95174	8	750-250	6.33	5.00	5.06	3/8	1	5.10
IPLDS 750-10*	95175	10	750-250	7.75	5.00	5.06	3/8	1	6.26
IPLDS 750-12*	95176	12	750-250	9.18	5.00	5.06	3/8	1	7.42

\* 750 MCM not UL Listed.

**IPLDH SERIES - HEAVY DUTY** 



Heavy duty IPLDH Series connectors are designed, built and tested to handle even the most demanding applications from 250 MCM to 750 MCM. The connectors are insulated with high-dielectric strength plastisol which is molded for a precise fit. They are supplied with removable access plugs to allow for cable entry from either side of the connector. The connector block is double the size of the standard IPLD Series connector and there are also two pressure

screws provided for each cable to ensure the best connection possible. Eliminates the need for cover and taping. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Dual rated for use with copper and/or aluminum cables. Rated 600 V, 90°C. Not recommended for fine-stranded, flexible wire. To receive the material in bags, add "-B" to the part number.

CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CTN QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
IPLDH750-3	92650	3	750 - 250 MCM	5.00	3.50	4.50	5/16	2	2.52
IPLDH750-4	92651	4	750 - 250 MCM	6.40	3.50	4.50	5/16	2	3.37
IPLDH750-5	92652	5	750 - 250 MCM	7.80	3.50	4.50	5/16	1	4.21
IPLDH750-6	92653	6	750 - 250 MCM	9.15	3.50	4.50	5/16	1	4.95
IPLDH750-8	92655	8	750 - 250 MCM	11.90	3.50	4.50	5/16	1	6.60
IPLDH750-10	92657	10	750 - 250 MCM	14.60	3.50	4.50	5/16	1	8.20

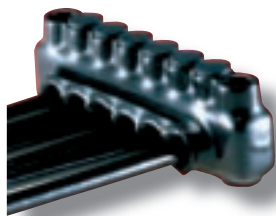
**PLH SERIES - HEAVY DUTY** 



Heavy duty PLH Series connectors are designed, built and tested to handle even the most demanding applications from 250 MCM to 750 MCM. The uninsulated connector block is double the size of the standard PL Series connector and there are also two pressure

screws provided for each cable to ensure the best connection possible. Dual rated for use with copper and/or aluminum cables. Plated for corrosion resistance. Rated 600 V, 90°C. Not recommended for fine-stranded, flexible wire.

CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CTN.	WEIGHT
				LENGTH	HEIGHT	WIDTH			
PLH750-2	92670	2	750 - 250 MCM	3.16	2.00	2.50	5/16	2	1.92
PLH750-3	92671	3	750 - 250 MCM	4.56	2.00	2.50	5/16	2	1.92
PLH750-4	92672	4	750 - 250 MCM	6.00	2.00	2.50	5/16	1	2.73
PLH750-6	92674	6	750 - 250 MCM	8.76	2.00	2.50	5/16	1	4.33
PLH750-8	92676	8	750 - 250 MCM	11.55	2.00	2.50	5/16	1	5.92
PLH750-10	92678	10	750 - 250 MCM	14.30	2.00	2.50	5/16	1	7.51

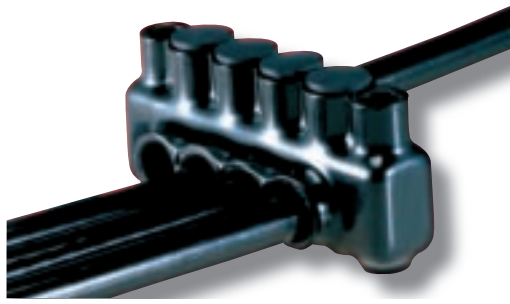
IPLM SERIES 

IPLM Series connectors are insulated with high-dielectric strength plastisol. Molded for precise fit and supplied with removable access plugs over the hex screws. Wire entry ports on one side only. The mounting holes at each end of the connector allow for direct isolated mounting to the trough, panel or wireway. Eliminates the need for cover and taping. Abrasion and chemical

resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Dual rated for use with copper and/or aluminum cables. Rated 600 V, 90°C. Mounting holes will accept a 1/4" bolt. Not recommended for fine-stranded, flexible wire. To receive the material in bags, add "-B" to the part number.

CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
IPLM 4-3	93001	3	4-14	3.54	2.25	1.12	slotted	6	.15
IPLM 4-4	93002	4	4-14	3.97	2.25	1.12	slotted	6	.19
IPLM 4-5	93003	5	4-14	4.39	2.25	1.12	slotted	4	.22
IPLM 4-6	93004	6	4-14	4.82	2.25	1.12	slotted	4	.26
IPLM 4-7	93005	7	4-14	5.32	2.25	1.12	slotted	4	.29
IPLM 4-8	93006	8	4-14	5.65	2.25	1.12	slotted	4	.32
IPLM 4-9	93007	9	4-14	6.07	2.25	1.12	slotted	3	.36
IPLM 4-10	93008	10	4-14	6.50	2.25	1.12	slotted	3	.39
IPLM 4-13	93011	13	4-14	7.76	2.25	1.12	slotted	2	.49
IPLM 4-14	93012	14	4-14	8.18	2.25	1.12	slotted	2	.52
IPLM 1/0-3	93101	3	1/0-14	4.27	2.50	1.62	3/16	6	.28
IPLM 1/0-4	93102	4	1/0-14	4.92	2.50	1.62	3/16	6	.36
IPLM 1/0-5	93103	5	1/0-14	5.57	2.50	1.62	3/16	4	.43
IPLM 1/0-6	93104	6	1/0-14	6.22	2.50	1.62	3/16	4	.50
IPLM 1/0-7	93105	7	1/0-14	6.87	2.50	1.62	3/16	4	.58
IPLM 1/0-8	93106	8	1/0-14	7.52	2.50	1.62	3/16	4	.66
IPLM 1/0-9	93107	9	1/0-14	8.17	2.50	1.62	3/16	3	.73
IPLM 1/0-10	93108	10	1/0-14	8.82	2.50	1.62	3/16	3	.81

## IPLMD SERIES



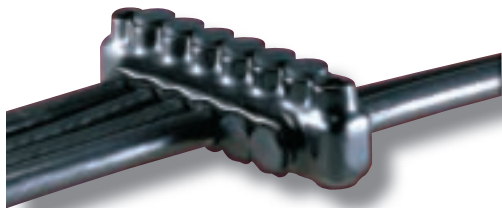
IPLMD Series connectors are insulated with high-dielectric strength plastisol. Molded for precise fit and supplied with removable access plugs over the hex screws. Wire entry ports on both sides of the connector allow for access from either side. Supplied with removable access plugs to close the entry port not being used. The mounting holes at each end of the connector allow for direct isolated mounting to the trough,

panel or wireway. Eliminates the need for cover and taping. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Dual rated for use with copper and/or aluminum cables. Rated 600 V, 90°C. Not recommended for fine-stranded, flexible wire. To receive the material in bags, add “-B” to the part number.

CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
IPLMD 3/0-3	93221	3	3/0-6	3.85	2.00	1.82	1/4	3	.37
IPLMD 3/0-4	93222	4	3/0-6	4.65	2.00	1.82	1/4	3	.48
IPLMD 3/0-5	93223	5	3/0-6	5.45	2.00	1.82	1/4	2	.59
IPLMD 3/0-6	93224	6	3/0-6	6.25	2.00	1.82	1/4	2	.70
IPLMD 3/0-7	93225	7	3/0-6	7.05	2.00	1.82	1/4	2	.80
IPLMD 3/0-8	93226	8	3/0-6	7.85	2.00	1.82	1/4	2	.91
IPLMD 3/0-9	93227	9	3/0-6	8.60	2.00	1.82	1/4	2	1.02
IPLMD 3/0-10	93228	10	3/0-6	9.45	2.00	1.82	1/4	2	1.12
IPLMD 3/0-11	93229	11	3/0-6	10.25	2.00	1.82	1/4	1	1.24
IPLMD 3/0-12	93230	12	3/0-6	11.00	2.00	1.82	1/4	1	1.35
IPLMD 250-3	94301	3	250-6	4.59	2.13	2.31	5/16	2	.59
IPLMD 250-4	94302	4	250-6	5.45	2.13	2.31	5/16	2	.71
IPLMD 250-5	94303	5	250-6	6.31	2.13	2.31	5/16	2	.81
IPLMD 250-6	94304	6	250-6	7.17	2.13	2.31	5/16	2	.94
IPLMD 250-7	94305	7	250-6	8.03	2.13	2.31	5/16	2	1.05
IPLMD 250-8	94306	8	250-6	8.89	2.13	2.31	5/16	2	1.17
IPLMD 250-9	94307	9	250-6	9.76	2.13	2.31	5/16	2	1.28
IPLMD 250-10	94308	10	250-6	10.62	2.13	2.31	5/16	2	1.40
IPLMD 250-11	94309	11	250-6	11.48	2.13	2.31	5/16	1	1.51
IPLMD 250-12	94310	12	250-6	12.34	2.13	2.31	5/16	1	1.63
IPLMD 350-3	94401	3	350-6	5.12	2.44	2.50	5/16	2	.95
IPLMD 350-4	94402	4	350-6	6.17	2.44	2.50	5/16	2	1.13
IPLMD 350-5	94403	5	350-6	7.22	2.44	2.50	5/16	2	1.32
IPLMD 350-6	94404	6	350-6	8.27	2.44	2.50	5/16	2	1.50
IPLMD 350-7	94405	7	350-6	9.32	2.44	2.50	5/16	2	1.68
IPLMD 350-8	94406	8	350-6	10.37	2.44	2.50	5/16	2	1.86
IPLMD 350-9	94407	9	350-6	11.42	2.44	2.50	5/16	2	2.04
IPLMD 350-10	94408	10	350-6	12.47	2.44	2.50	5/16	1	2.22
IPLMD 350-11	94409	11	350-6	13.52	2.44	2.50	5/16	1	2.40
IPLMD 350-12	94410	12	350-6	14.57	2.44	2.50	5/16	1	2.58
IPLMD 500-3	94501	3	500-4	5.61	2.94	2.81	5/16	2	1.29
IPLMD 500-4	94502	4	500-4	6.76	2.94	2.81	5/16	2	1.55
IPLMD 500-5	94503	5	500-4	7.83	2.94	2.81	5/16	2	1.81
IPLMD 500-6	94504	6	500-4	9.05	2.94	2.81	5/16	2	2.07
IPLMD 500-7	94505	7	500-4	10.19	2.94	2.81	5/16	2	2.33
IPLMD 500-8	94506	8	500-4	11.34	2.94	2.81	5/16	2	2.59
IPLMD 500-9	94507	9	500-4	12.48	2.94	2.81	5/16	2	2.85
IPLMD 500-10	94508	10	500-4	13.63	2.94	2.81	5/16	1	3.11
IPLMD 500-11	94509	11	500-4	14.77	2.94	2.81	5/16	1	3.37
IPLMD 500-12	94510	12	500-4	15.92	2.94	2.81	5/16	1	3.63

Note: Mounting holes will accept a 1/4" bolt for 3/0 AWG and a 5/16" bolt for 250 MCM and 350 MCM.

**IPLMD SERIES CONTINUED**



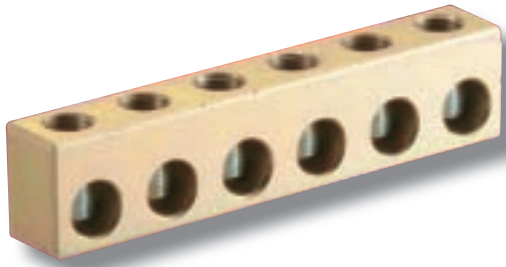
CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
IPLMD600-3**	78915	3	600-6	5.81	3.05	2.95	5/16	2	1.51
IPLMD600-4**	78916	4	600-6	7.11	3.05	2.95	5/16	2	1.81
IPLMD600-5**	78914	5	600-6	8.41	3.05	2.95	5/16	2	2.11
IPLMD600-6**	787918	6	600-6	9.71	3.05	2.95	5/16	2	2.41
IPLMS600-7**	78919	7	600-6	11.01	3.05	2.95	5/16	2	2.71
IPLMD600-8**	78920	8	600-6	12.31	3.05	2.95	5/16	2	3.01
IPLMD600-9**	78921	9	600-6	13.61	3.05	2.95	5/16	1	3.31
IPLMD600-10**	78922	10	600-6	14.91	3.05	2.95	5/16	1	3.61
IPLMD600-12**	78923	12	600-6	17.51	3.05	2.95	5/16	1	4.21
IPLMD 750-3*	94601	3	750-250	6.50	3.50	3.50	3/8	1	2.30
IPLMD 750-4*	94602	4	750-250	7.93	3.50	3.50	3/8	1	2.77
IPLMD 750-5*	94603	5	750-250	9.35	3.50	3.50	3/8	1	3.24
IPLMD 750-6*	94604	6	750-250	10.78	3.50	3.50	3/8	1	3.70
IPLMD 750-7*	94605	7	750-250	12.20	3.50	3.50	3/8	1	4.16
IPLMD 750-8*	94606	8	750-250	13.63	3.50	3.50	3/8	1	4.63
IPLMD 750-9*	94607	9	750-250	15.05	3.50	3.50	3/8	1	5.09
IPLMD 750-10*	94608	10	750-250	16.48	3.50	3.50	3/8	1	5.56
IPLMD 750-12*	94610	12	750-250	19.33	3.50	3.50	3/8	1	6.49

\*750 MCM not UL listed

\*\*600 Series are ALC7U and 75°C

Note: Mounting holes will accept a 5/16" bolt for 250 MCM and 350 MCM and a 3/8" bolt for 500 MCM and 750 MCM.

**PL SERIES**



PL Series connectors are made from 6061-T6 aluminum alloy and are plated for corrosion resistance. They are stocked in one hole increments, up to 14 holes and are suitable for use on wire from #4 AWG to 750 MCM. Dual rated for use with copper and/or aluminum cables. Rated 600 V, 90°C. Not recommended for fine-stranded, flexible wire.

CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
PL 4-2	90000	2	4-14	.88	.62	.50	slotted	12	.03
PL 4-3	90001	3	4-14	1.30	.62	.50	slotted	12	.04
PL 4-4	90002	4	4-14	1.73	.62	.50	slotted	12	.05
PL 4-5	90003	5	4-14	2.15	.62	.50	slotted	6	.06
PL 4-6	90004	6	4-14	2.57	.62	.50	slotted	6	.08
PL 4-8	90006	8	4-14	3.41	.62	.50	slotted	6	.10
PL 4-9	90007	9	4-14	3.84	.62	.50	slotted	6	.11
PL 4-10	90008	10	4-14	4.26	.62	.50	slotted	4	.12
PL 4-12	90010	12	4-14	5.10	.62	.50	slotted	4	.15
PL 4-14	90012	14	4-14	5.95	.62	.50	slotted	2	.17
PL 1/0-2	90100	2	1/0-14	1.35	.88	.63	3/16	12	.07
PL 1/0-3	90101	3	1/0-14	2.01	.87	.62	3/16	12	.10
PL 1/0-4	90102	4	1/0-14	2.66	.87	.62	3/16	12	.14
PL 1/0-5	90103	5	1/0-14	3.31	.87	.62	3/16	6	.17
PL 1/0-6	90104	6	1/0-14	3.96	.87	.62	3/16	6	.20
PL 1/0-7	90105	7	1/0-14	4.61	.87	.62	3/16	6	.24
PL 1/0-8	90106	8	1/0-14	5.26	.87	.62	3/16	6	.27
PL 1/0-9	90107	9	1/0-14	5.91	.87	.62	3/16	6	.30
PL 1/0-10	90108	10	1/0-14	6.56	.87	.62	3/16	4	.34
PL 1/0-11	90109	11	1/0-14	7.21	.87	.62	3/16	4	.37
PL 1/0-13	90111	13	1/0-14	8.51	.87	.62	3/16	2	.44
PL 1/0-14	90112	14	1/0-14	9.16	.87	.62	3/16	2	.47
PL 3/0-2	90200	2	3/0-6	1.6	.94	.69	1/4	6	.1
PL 3/0-3	90201	3	3/0-6	2.37	.94	.69	1/4	6	.15
PL 3/0-4	90202	4	3/0-6	3.15	.94	.69	1/4	6	.19
PL 3/0-5	90203	5	3/0-6	3.93	.94	.69	1/4	6	.24
PL 3/0-6	90204	6	3/0-6	4.71	.94	.69	1/4	6	.29
PL 3/0-7	90205	7	3/0-6	5.49	.94	.69	1/4	6	.33
PL 3/0-8	90206	8	3/0-6	6.27	.94	.69	1/4	6	.38
PL 3/0-9	90207	9	3/0-6	7.05	.94	.69	1/4	4	.43
PL 3/0-10	90208	10	3/0-6	7.83	.94	.69	1/4	4	.47
PL 3/0-12	90210	12	3/0-6	9.39	.94	.69	1/4	3	.57
PL 3/0-14	90212	14	3/0-6	10.95	.94	.69	1/4	2	.66
PL 250-2	90300	2	250-6	1.82	1.13	.88	5/16	6	.12
PL 250-3	90301	3	250-6	2.69	1.12	.87	5/16	6	.18
PL 250-4	90302	4	250-6	3.55	1.12	.87	5/16	6	.24
PL 250-5	90303	5	250-6	4.41	1.12	.87	5/16	6	.30
PL 250-6	90304	6	250-6	5.27	1.12	.87	5/16	6	.33
PL 250-7	90305	7	250-6	6.14	1.12	.87	5/16	6	.42
PL 250-8	90306	8	250-6	7.00	1.12	.87	5/16	6	.48

**PL SERIES CONTINUED**

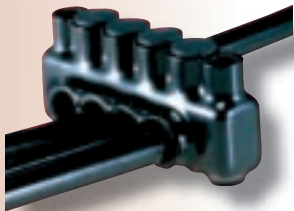
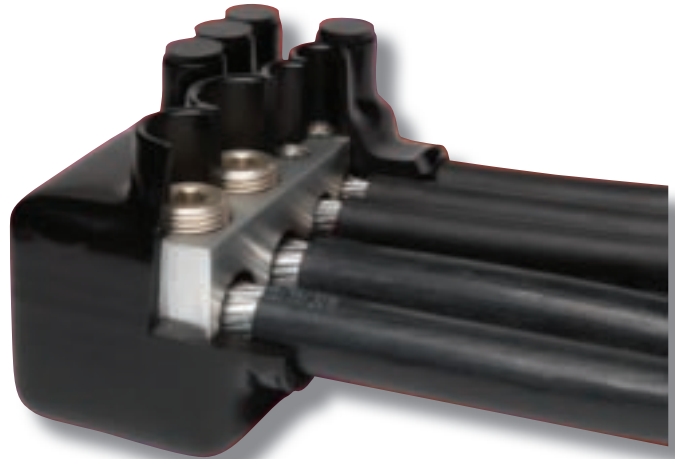


CATALOG NO.	UPC CODE	NO. OF PORTS	WIRE RANGE	(INCHES)			HEX SIZE	CARTON QTY.	WEIGHT LBS. EA
				LENGTH	HEIGHT	WIDTH			
PL 250-9	90307	9	250-6	7.86	1.12	.87	5/16	4	.53
PL 250-10	90308	10	250-6	8.72	1.12	.87	5/16	4	.59
PL 250-11	90309	11	250-6	9.58	1.12	.87	5/16	3	.65
PL 250-12	90310	12	250-6	10.45	1.12	.87	5/16	3	.71
PL 250-14	90312	14	250-6	12.17	1.12	.87	5/16	2	.83
PL 350-2	90400	2	350-6	2.17	1.44	1	5/16	6	.2
PL 350-3	90401	3	350-6	3.22	1.44	1.00	5/16	6	.32
PL 350-4	90402	4	350-6	4.27	1.44	1.00	5/16	6	.44
PL 350-6	90404	6	350-6	6.37	1.44	1.00	5/16	6	.67
PL 350-7	90405	7	350-6	7.42	1.44	1.00	5/16	4	.76
PL 350-8	90406	8	350-6	8.47	1.44	1.00	5/16	4	.84
PL 350-10	90408	10	350-6	10.57	1.44	1.00	5/16	2	1.12
PL 350-14	90412	14	350-6	14.77	1.44	1.00	5/16	1	1.51
PL 500-2	90500	2	500-4	2.56	1.63	1.13	5/16	4	.31
PL 500-3	90501	3	500-4	3.70	1.62	1.12	5/16	4	.46
PL 500-4	90502	4	500-4	4.85	1.62	1.12	5/16	4	.62
PL 500-6	90504	6	500-4	7.14	1.62	1.12	5/16	3	.92
PL 500-7	90505	7	500-4	8.28	1.62	1.12	5/16	3	1.0
PL 500-8	90506	8	500-4	9.43	1.62	1.12	5/16	3	1.23
PL 500-9	90507	9	500-4	10.57	1.62	1.12	5/16	2	1.38
PL 500-10	90508	10	500-4	11.72	1.62	1.12	5/16	2	1.53
PL 500-11	90509	11	500-4	12.86	1.62	1.12	5/16	1	1.68
PL 500-12	90510	12	500-4	14.01	1.62	1.12	5/16	1	1.84
PL 500-13	90511	13	500-4	15.15	1.62	1.12	5/16	1	1.99
PL 500-14	90512	14	500-4	16.30	1.62	1.12	5/16	1	2.14
PL 750-2	90600	2	750-250	3.15	2	1.44	3/8	2	.34
PL 750-3*	90601	3	750-250	4.57	2.00	1.44	3/8	3	.51
PL 750-4*	90602	4	750-250	6.00	2.00	1.44	3/8	3	.68
PL 750-6*	90604	6	750-250	8.85	2.00	1.44	3/8	2	1.02
PL 750-8*	90606	8	750-250	11.70	2.00	1.44	3/8	1	1.35
PL 750-9*	90607	9	750-250	13.12	2.00	1.44	3/8	1	1.52
PL 750-10*	90608	10	750-250	14.55	2.00	1.44	3/8	1	1.69
PL 750-12*	90610	12	750-250	17.40	2.00	1.44	3/8	1	2.03
PL 750-14*	90612	14	750-250	20.25	2.00	1.44	3/8	1	2.36

\*750 MCM not UL Listed

Let us custom engineer and fabricate a UL Listed insulated block system for your next project. Each connector is made with exact hole size and number for the cable runs being used. You may choose to order a customized version of our IPL Series or add one or more of the options listed below. With the numerous configurations and many options available, the combinations we can create and produce are almost unlimited. Connector size can be up to 22" long and is available with or without insulation. Rated 600 V, 90°C.

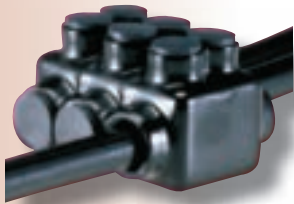
We custom design a computer program from your specifications and our engineering and production data and put it in our computerized machining system. Your blocks are then directly and precisely machined. We then cover the block with our unique plastisol insulation material/process. Shipment is made within 3 to 4 days! Custom connectors are not returnable.



### **MOUNTING CAPABILITY**

(Letter designation "M")

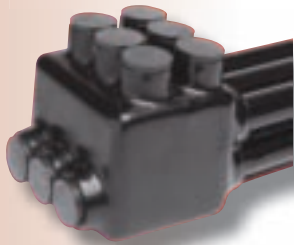
Mounting holes can be added at each end of the connector block for situations where it must be bolted in place. The mounting holes are provided in each end of the connector block and are isolated from the block with insulated sleeves. When building a custom part number, add the designation "M" to the prefix.



### **OFFSET WIRE ENTRY**

(Letter designation "O")

With this designation, the cable can enter either side of the connector block, based upon your requirements. As shown here, the two primary cables enter from one direction, while the secondary cables enter the opposite side from the opposite direction. This eliminates having to bend the cable around the connector. Any combination of our eight basic sizes can be incorporated in these connectors. When building a custom part number, add the designation "O" immediately prior to the ports that you want to enter from the opposite side.



### **STACKED WIRE HOLES**

(Letter designation "S")

Custom connector blocks can be supplied with one row of wire entry holes on top of the other. This allows the block to be shorter in length and is ideal for use in small wire ways or panels. When building a custom part number, add the designation "S" immediately prior to the ports that you want stacked.



### **CUSTOM-DESIGNED POLARIS GREY**

We can design a connector which will handle any combination and number of fine-stranded wires between the sizes of 14 AWG and 3/0 AWG.

All wire ports can be on one side or opposing sides. The ports can be side by side or stacked on top of each other. Require mounting holes? Also no problem. Essentially, we can do whatever you want, and ship it in three or four days! And best of all, your custom-designed connector is UL Listed.

**Building the Catalog Number**

Creating a custom catalog number may appear complex at first. In fact, it's quite simple, if you ask yourself the following questions and build your catalog number as you go.

1. Do you require an insulated block? If yes, start with the letter "I". If no, start with the letter "U".
2. Do you require mounting capability? If yes, add the letter "M". If no, add nothing.
3. Now, you need to add the number of ports and size of wire holes (using the letter designation for the wire size as listed below). You may add one size, i.e., 4F (4 ports of 500 MCM) or many sizes, i.e., 4F6B2D (4 ports of 500 MCM, 6 ports of 1/0 and 2 ports of 250 MCM).
4. If you require any ports entering from the opposite direction, group them at the end of the catalog number and use the designation "O" immediately prior to the listing of these ports.
5. If you require any ports to be stacked, group them at the end of the catalog number and use the designation "S" immediately prior to the listing of these ports.

**Assembly of Connectors**

Wire insulation must be stripped in accordance with the Strip Chart below for Standard Connectors. The wire insulation on a properly installed wire must be inside the insulated connector conductor port no less than 3/8 inch. Pressure screws must be secured at the torque value corresponding to the wire size and connector size shown to the right. The UL listing is for stranded wire only. AL/CU 600 V max. for building wire and 1000 V max. for signs or fixtures. When installing Mounting Connectors, use the Strip Chart below to select the appropriate mounting bolt. Do not exceed 80 inch pounds.

When installing Custom Connectors, wire insulation must be stripped such that when the wire is inserted into the conductor port, there is a minimum of 1/4 inch insulation inside the conductor port. Insert the stripped wire until it stops against the back of the connector.

**Call your Inside Sales Representative for help in designing your custom Polaris Connector.**

**WIRE HOLE SIZES**

**ACCESSORIES**

WIRE RANGE	LETTER DESIGNATION
4-14	A
1/0-14	B
3/0-6	C
250-6	D
350-6	E
500-4	F
600	J
750-250	G
1000-500	H

CATALOG NO.	UPC CODE	DESCRIPTION	CONNECTION SIZE	CARTON QTY.
SP-4	95201	Set screw covers	4 AWG	15
SP-1/0	95202	Set screw covers	1/0 AWG	15
SP-3/0	95203	Set screw covers	3/0 AWG	15
SP-250	95204	Set screw covers	250 MCM	12
SP-350	95205	Set screw covers	350 MCM	10
SP-500	95206	Set screw covers	500 MCM	8
SP-600	78940	Set screw covers	600 MCM	6
SP-750	95207	Set screw covers	750 MCM	6
CP-3/0	95210	Cable port plugs	3/0 AWG	15
CP-250	95211	Cable port plugs	250 MCM	10
CP-350	95212	Cable port plugs	350 MCM	8
CP-500	95213	Cable port plugs	500 MCM	6
CP-600	78943	Cable port plugs	600 MCM	4
CP-750	95214	Cable port plugs	750 MCM	4

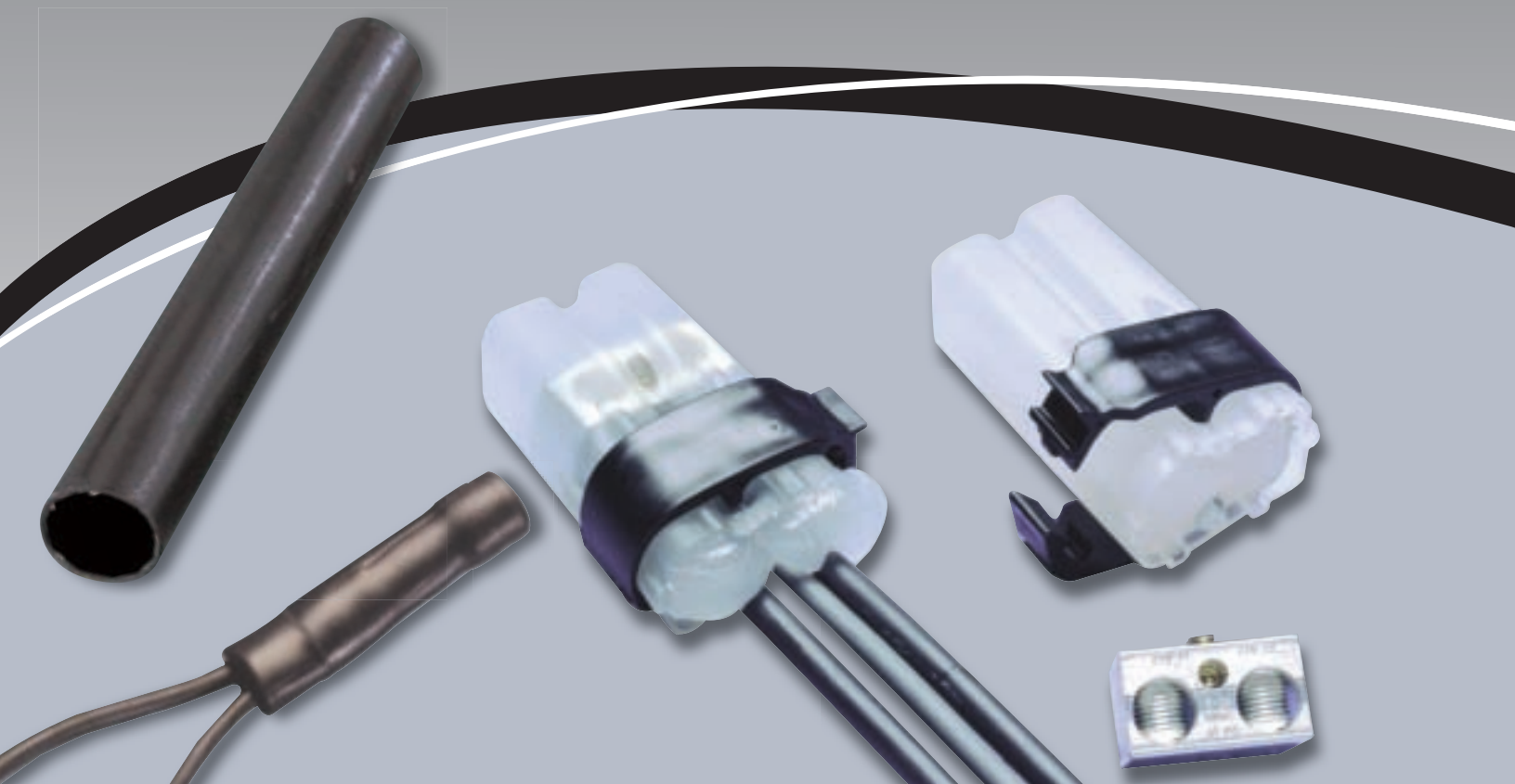
**STRIP CHART FOR STANDARD CONNECTORS**

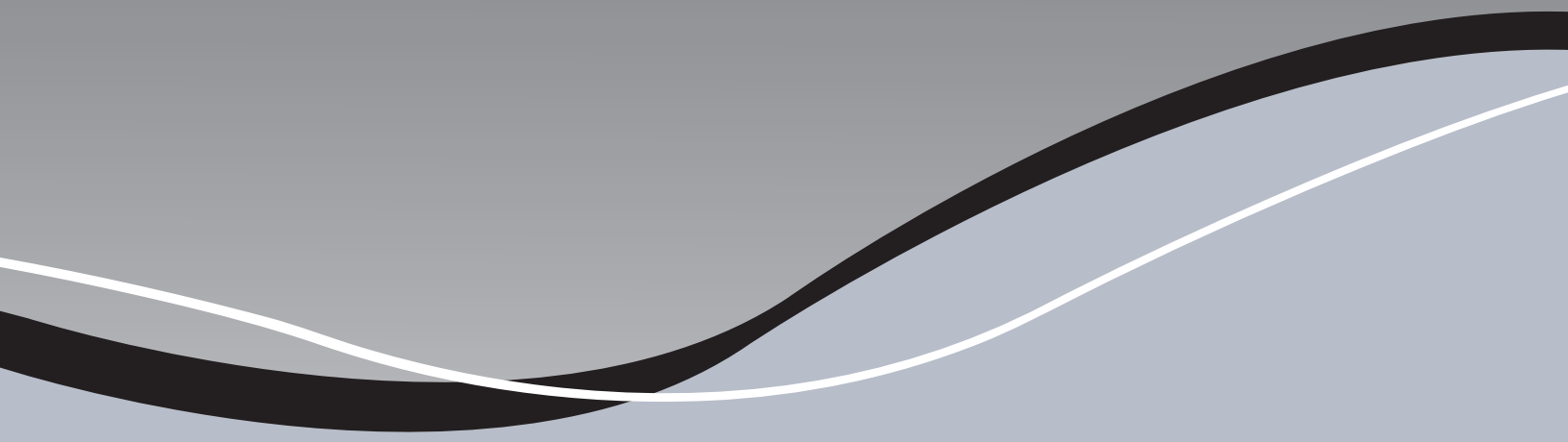
CONNECTOR SIZE	STRIP LENGTH	BOLT DIA. FOR MOUNTING
750 H	3.250	5/16
ISRH 750	2.312	5/16
750 MCM	2.000	5/16
600 MCM	1.625	5/16
500 MCM	1.625	5/16
350 MCM	1.375	5/16
250 MCM	1.250	5/16
ISR 250	1.125	5/16
3/0 AWG	1.000	1/4
1/0 AWG	0.875	1/4
4 AWG	0.689	3/16

**TORQUE CHART**

WIRE SIZE	CONNECTOR SIZE							
	1000	750	500	350	250	3/0	1/0	#4
800-1000	550							
600-750	550	550						
500	450	450	450					
400		425	425					
350		400	400	400				
250		360	360	360	360			
4/0			250	250	250			
3/0			250	250	250	250		
2/0			180	180	180	180		
1/0			180	180	180	180	180	
#3-#1			150	150	150	150	150	
#4-#6			110	110	110	110	110	45
#8							75	40
#10-#14							35	35

Tightening Torque in inch/lbs.





SPLICING

# Splicing

EASY-SPlice™ WRAP-AROUND GEL / HTAP GEL SPLICE

## EASY-SPlice™ WRAP-AROUND GEL SPLICE KITS



Easy-Splice™ wrap-around gel splice closure sleeves quickly insulate and seal buried electrical connections rated up to 1,000 volts. Engineered to handle direct burial and manhole applications, these splice enclosure sleeves are equally well suited for insulation and jacket repair. Simply wrap and snap the sleeve on any cable in the use range. The sealant gel in the sleeve seals on contact. The splice closure sleeve can be applied on all common compression

connectors and low voltage cables, as well as in-line mechanical connectors.

Qualified to ANSI C119.1-1986 for underground splicing.

A minimum seal length is required on each side of the connector opening or jacket damage. Use these guidelines for minimum seal distance:  
 WAGS-4/0 series: 1.50" each side  
 WAGS-500 series: 2.00" each side  
 WAGS-750 series: 3.00" each side

CATALOG NO.	UPC CODE	SLEEVE LENGTH	CONDUCTOR SIZE	MAX. CONNECTOR OPENING	GENERAL USE DIAMETER LENGTH	CARTON QTY.
WAGS-4/0-4	01571	4.00 (100)	#14 - 4/0 (2 - 95)	1.00 (25)	0.15 - 0.70 (4 - 18)	3
WAGS-4/0-6	01572	6.00 (150)	#14 - 4/0 (2 - 95)	3.00 (75)	0.15 - 0.70 (4 - 18)	3
WAGS-4/0-8	01573	8.00 (200)	#14 - 4/0 (2 - 95)	5.00 (125)	0.15 - 0.70 (4 - 18)	3
WAGS-4/0-10	01570	10.00 (250)	#14 - 4/0 (2 - 95)	7.00 (175)	0.15 - 0.70 (4 - 18)	3
WAGS-500-6	01576	6.00 (150)	#6 - 500 (16 - 240)	2.00 (50)	0.40 - 1.30 (10 - 33)	3
WAGS-500-8	01577	8.00 (200)	#6 - 500 (16 - 240)	4.00 (100)	0.40 - 1.30 (10 - 33)	3
WAGS-500-10	01574	10.00 (250)	#6 - 500 (16 - 240)	6.00 (150)	0.40 - 1.30 (10 - 33)	3
WAGS-500-12	01575	12.00 (300)	#6 - 500 (16 - 240)	8.00 (200)	0.40 - 1.30 (10 - 33)	3
WAGS-750-8	01582	8.00 (200)	250 - 750 (120 - 350)	2.00 (50)	0.80 - 1.50 (20 - 38)	3
WAGS-750-10	01583	10.00 (250)	250 - 750 (120 - 350)	4.00 (100)	0.80 - 1.50 (20 - 38)	3

## EASY-SPlice™ H TAP GEL SPLICE COVERS



The Easy-Splice™ low-voltage H-frame closure insulates and seals low-voltage cable-taps and and splices made with H-frame compression connectors. The closure utilizes sealing gel material to seal and protect the connection from moisture ingress, corrosion and pollution.

To install, simply place the connection on the closure and press the closure together. The

low-voltage H-frame closure is ideal for both underground and overhead applications and is especially useful for street lighting applications.

Qualified to ANSI C119.1-1986 for underground splicing. Rated -40°C to 90°C, 1,000 volts, UV resistant.

The Easy-Splice™ H tap gel splice covers do not include connector.

CATALOG NO.	UPC CODE	MAIN	TAP	DIE	CARTON QUANTITY
ESGHS-BG	16865	#6 - #2 AWG	#14 - #8 AWG	BG	6
ESGHS-O	16866	#2 - 2/0 awg	#14 - #6 AWG	O	6
ESGHS-N	16867	350 mcm	4/0 AWG	N	3

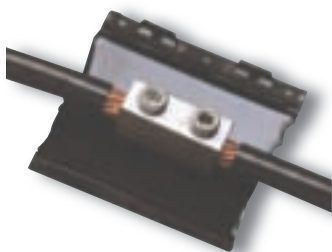
## ESGHS-O APPROVED CONNECTORS

Blackburn WR139	Burndy YHO-1	Homac OB22	NSi WR139	T&B 63110
Blackburn WR159	Burndy YHO-2	Homac OB44	NSi WR159	UTILCO HT1
Blackburn WR179	Burndy YHO 100	Homac OB102	NSi WR179	UTILCO HT2
Blackburn WR199	Burndy YHO 125	Homac OB103	NSi WR199	
	Burndy YHO 150			

## ESGHS-BG APPROVED CONNECTORS

Blackburn WR9	NSi WR9
Burndy YPC2A8U	T&B 63105
Homac UB214	

### EASY-SPLICE™ IN-LINE GEL SPLICE KIT (WITH CONNECTOR)



The Easy-Splice™ in-line gel splice kit provides a sealed splice for underground, buried and overhead applications. This in-line closure offers a fast and simple method for splicing, insulating and environmentally sealing low voltage cable splices.

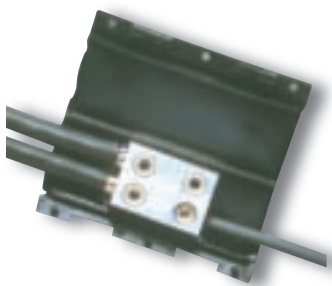
Simply install the connector on a copper or aluminum cable, place it in the closure, and snap closed. The splice kit is watertight for use in all locations.

Qualified to ANSI C119.1-1986 for underground splicing. Sealing and corrosion protection provided by sealant gel. Rated -40°C to 90°C, 1,000 volts.

The Easy-Splice™ in-line gel splice kit is UV resistant and includes one dual-rated connector for use with copper or aluminum conductors.

CATALOG NO.	UPC CODE	WIRE RANGE	CARTON QUANTITY
ESGS-4/0	16861	#2 – 4/0 AWG	3

### EASY-SPLICE™ GEL TAP SPLICE KITS (WITH CONNECTOR)



The Easy-Splice™ gel tap splice kit provides a fast and simple method for connecting, insulating, and environmentally sealing low-voltage splices. The splice kit is designed for underground and overhead environments and is useful for street lighting applications.

The splice kit's dual-rated mechanical connector splices a wide range of cables, including copper and aluminum. The connector's

four port design allows maximum inventory flexibility. The sealant gel protects the connection from moisture ingress, corrosion and pollution. The hinged splice closure can be installed over the connector in seconds by simply snapping the cover shut.

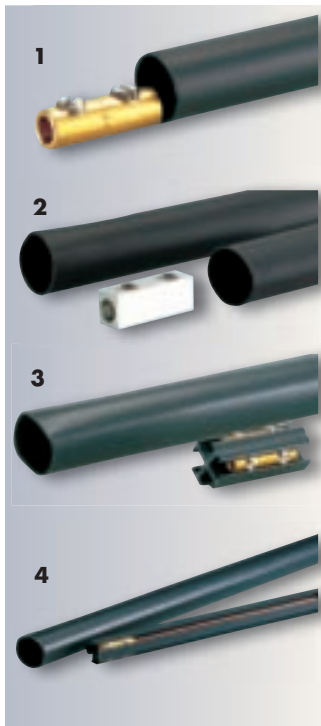
Qualified to ANSI C119.1-1986 for underground splicing. Rated -40°C to 90°C, UV resistant.

CATALOG NO.	UPC CODE	WIRE RANGE	CLOSURE DIMENSIONS			CARTON QUANTITY
			LENGTH	WIDTH	HEIGHT	
ESGTS-2	16863	#14 – #2 AWG	2.75	1.63	1.06	3
ESGTS-2/0	16864	#14 – 2/0 AWG	4.25	2.00	1.19	3

# Splicing

DIRECT BURIAL SPLICE KITS W/HEAT SHRINK, CABLE TAP SPLICES

## DIRECT BURIAL SPLICE KITS WITH HEAT SHRINK - SUBMERSIBLE



600-volt maximum, supplied in attractive, clear point-of-purchase packaging.

### 1. Copper Butt Splice Kits

Utilizing a mechanical copper butt splice and a heavy wall heat shrink tubing to create a fully insulated splice for copper conductors only.

### 2. Dual Rated Butt Splice Kits

Utilizing a mechanical dual rated splice and matched heavy wall heat shrink tubing to create an insulated splice for copper and/or aluminum cables.

### 3. UF Cable Splice Kit

For simplified splicing of UF cable designed with heavy wall heat shrink with sealant. This kit will accommodate 14/3 through 8/3 with ground UF cable and create a direct burial splice. Contains one four-position connector.

### 4. UF Stretcher Kit

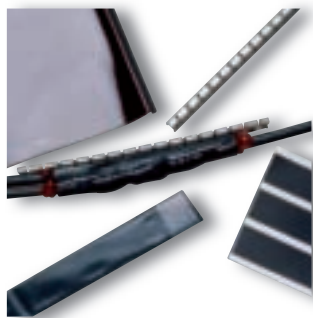
Eliminates the need for using two connectors and a short piece of cable when repairing damaged UF cable. Includes one 11.5"

connector that will accommodate 14/3 without GRD minimum and 8/3 with GRD maximum. 600 Volt, 105°C. Utilizes heavy wall shrink with sealant for a quick and reliable repair.



CATALOG NO.	UPC CODE	FIGURE	RANGE	CARTON QUANTITY
SKCB-8	16900	1	#14 to #8 AWG	24
SKCB-2	16903	1	#8 to #2 AWG	24
SKAB-2	16910	2	#8 to #2 AWG	24
SKAB-0	16913	2	#6 to 1/0 AWG	24
SKAB-250	16916	2	1/0 AWG to 250 MCM	12
SKDB	16920	3	14/3 to 8/3	24
SKUF	16934	4	14/3 without ground to 8/3 with ground	12

## CABLE TAP SPLICES FOR LOW VOLTAGE POWER CABLE

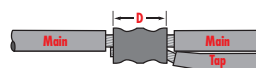


Use as a wrap-around, sealed cable tap splice. Coated with adhesive sealant, our WAHS kits are qualified to ANSI C119.1986, rated to ICEA electrical withstand test for 1,000 volts, and RUS accepted for use with compression and split-bolt connectors.

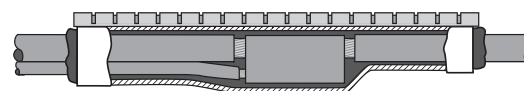
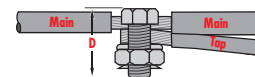
For use on standard poly- or elastomeric-insulated conductors, UV resistant.

Kits are capable of insulating and sealing wye (3-wire) or H (4-wire) configurations up to 1,000 volts. These kits do not include connectors. The WAHS kits include insulating sleeve, sealant strip and stainless steel channel closure.

### COMPRESSION CONNECTOR



### SPLIT-BOLT CONNECTOR



CATALOG NO.	UPC CODE	CONNECTOR TYPE	CONDUCTOR SIZE SLEEVE LENGTH (1,000V MAX.)	CONNECTOR		DIMENSION (MAX. DIA.)	CTN. QTY.
				MAIN (AWH/kcmil)	TAP (AWH/kcmil)		
WAHS-2	16889	compression	6 (152)	#8 - #2	#10 - #2	2 (51)	3
WAHS-4/0	16890	compression	8 (203)	#2 - 4/0	#10 - 4/0	4 (102)	3
		standard split-bolt	8 (203)	#8 - #2	#14 - #2	1.5 (38)	
WAHS-500	16891	compression	10 (254)	4/0 - 500	#2 - 500	6 (152)	3

## EASY-SPLICE™ DIRECT BURIAL "ROLL-ON" SPLICES FOR 1/C POWER CABLE - 1,000 V



The easy "roll-on" way to insulate and seal cable connections up to 1,000 volts. The gripping force of the EPDM elastomer combines with high performance sealant to form a water resistant, UV resistant insulating sleeve appropriate for direct burial application over in-line compression connectors.

For use on standard poly- or elastomeric-insulated cables. Insulates and seals in-line compression connectors or terminal lugs. Cable can be energized immediately.

Ideal for use where gas or electric heating devices are not approved.

Qualified to ANSI C119.1-1986. CSA certified to C22.2 No. 198.2. UL 486D listed, suitable for direct burial. RUS accepted for use as a secondary tap or splice cover.

Each kit includes one Easy-Splice™ sleeve and sealant strips.

CATALOG NO.	UPC CODE	CONDUCTOR SIZE (AWG/kcmil)	CABLE O.D. (MIN.-MAX.)	SLEEVE LENGTH	MAX. CONNECTOR LENGTH	CARTON QUANTITY
ROS-2/0	12335	#8 - 2/0	0.22-0.68 (6-17)	8.00 (205)	5.00 (127)	12
ROS-250	12336	1/0 - 250	0.50-0.90 (13-23)	9.50 (241)	4.50 (114)	12
ROS-600	12338	250 - 600	0.70-1.20 (18-30)	12.00 (305)	7.00 (178)	6
ROS-1000	12333	600 - 1000	0.95-1.50 (24-38)	14.00 (356)	9.00 (229)	6

## EASY-SPLICE™ WRAP-AROUND UF SPLICE KIT



The Easy-Splice™ wrap-around UF splice kit provides a quick and convenient method of splicing underground feeder (UF) cable.

Installers will appreciate the wrap-around design and fast installation. No heating or waiting for compounds to cure. The unique sealing gel entirely encapsulates the splice completely sealing out moisture or other contaminants.

The splice kit is rated for 600 volt applications. Wide product use range. The Easy-Splice™ wrap-around UF splice kit covers UF splices from 14/2 to 8/3 with ground. The kit includes connector and closure.

CATALOG NO	UPC CODE	WIRE RANGE	LENGTH (INCHES)	CARTON QUANTITY
ESUF	16862	14/2 to 8/3 with ground	8	3

# Splicing

HEAVY WALL WITH SEALANT – DIRECT BURIAL & SUBMERSIBLE

## HEAVY WALL HEAT SHRINK WITH SEALANT - FOR DIRECT BURIAL AND SUBMERSIBLE APPLICATIONS



Made of specially formulated polyolefin, which is irradiated and thermally stabilized to give the material an “elastic memory”. When a proper amount of heat is directly applied to the shrink sleeve, it will permanently shrink to its original unexpanded diameter. The characteristics of these sleeves are such that they will shrink to tightly cover, and in a sense “mold” themselves into irregular shapes. The interior of the sleeve is coated with an adhesive that assures a watertight seal after shrinking. Recommended for installation on applications of up to 1,000 volts. Shrinking temperature is 250-275°F.

For use on standard poly- or elastomeric-insulated/jacketed cables or lead-jacketed cables, which may include aluminum or steel armoring.

UL recognized per UL486D, CSA C22.2, ANSI C119.1-1986. RUS accepted for use as a secondary tap or splice cover. May be used for jacket repair on cables up to 35 kV.

Heavy wall heat shrink is also available without sealant. Medium wall heat shrink and flame retardant heavy wall heat shrink also available, with or without sealant (not UL Listed). Please contact NSi for price and delivery.

CATALOG NO.	UPC CODE	CABLE SPLICE RANGE	GENERAL USE RANGE (INCHES)		LENGTH (INCHES)	NOMINAL RECOVERED WALL THICKNESS
			MAXIMUM	MINIMUM		
HWHS 300-6	01172	8-14 AWG	.30	.15	6	.079
HWHS 300-12	01173	8-14 AWG	.30	.15	12	.079
HWHS 300-48	01174	8-14 AWG	.30	.15	48	.079
HWHS 400-6	01150	6-12 AWG	.45	.20	6	.090
HWHS 400-12	01193	6-12 AWG	.45	.20	12	.090
HWHS 400-48	01151	6-12 AWG	.45	.20	48	.090
HWHS 750-4	01175	2-8 AWG	.70	.25	4	.090
HWHS 750-6	01152	2-8 AWG	.70	.25	6	.090
HWHS 750-9	01176	2-8 AWG	.70	.25	9	.090
HWHS 750-12	01153	2-8 AWG	.70	.25	12	.090
HWHS 750-48	01154	2-8 AWG	.70	.25	48	.090
HWHS 110-4	01186	4/0-4 AWG	1.20	.35	4	.120
HWHS 110-6	01168	4/0-4 AWG	1.20	.35	6	.120
HWHS 110-8	01177	4/0-4 AWG	1.20	.35	8	.120
HWHS 110-9	01155	4/0-4 AWG	1.20	.35	9	.120
HWHS 110-12	01156	4/0-4 AWG	1.20	.35	12	.120
HWHS 110-48	01157	4/0-4 AWG	1.20	.35	48	.120
HWHS 150-6	01178	400 MCM-1/0 AWG	1.55	.50	6	.160
HWHS 150-9	01158	400 MCM-1/0 AWG	1.55	.50	9	.160
HWHS 150-12	01159	400 MCM-1/0 AWG	1.55	.50	12	.160
HWHS 150-48	01160	400 MCM-1/0 AWG	1.55	.50	48	.160
HWHS 200-6	01179	500-250 MCM	1.75	.70	6	.160
HWHS 200-9	01161	500-250 MCM	1.75	.70	9	.160
HWHS 200-12	01162	500-250 MCM	1.75	.70	12	.160
HWHS 200-48	01163	500-250 MCM	1.75	.70	48	.160
HWHS 268-9	01164	1000-400 MCM	2.45	.90	9	.160
HWHS 268-12	01165	1000-400 MCM	2.45	.90	12	.160
HWHS 268-48	01166	1000-400 MCM	2.45	.90	48	.160
HWHS 370-12*	01191	1250-800 MCM	3.70	1.30	12	.169
HWHS 370-48*	01192	1250-800 MCM	3.70	1.30	48	.169
HWHS 420-12*	01193	2500-1500 MCM	4.20	1.60	12	.169
HWHS 420-48*	01194	2500-1500 MCM	4.20	1.60	48	.169

\* Not UL Listed

### Connectors up to 6 inches:

recommended cut length = connector length + 4 inches.

### Connectors over 6 inches:

recommended cut length = connector length + 5 inches.

## DIRECT BURIAL SPLICE KITS WITH RUBBER COVER



Dual-rated for use with copper and aluminum cable, these kits consist of an in-line mechanical set screw connector pre-filled with oxide inhibitor, and an EPDM rubber insulating cover to ensure a watertight seal. UL listed, 600 volt rated.

CATALOG NO.	UPC CODE	WIRE RANGE	CONNECTOR LENGTH (INCHES)	SHIPPING WEIGHT LBS. EA	CARTON QUANTITY
RSK-2/0	16945	#14 – 2/0 AWG	1.88	1	12
RSK-350	16946	#6 AWG – 350 MCM	3.00	2	6
RSK-500	16947	2/0 AWG – 500 MCM	3.19	2.5	6
RSK-750	16948	250 MCM – 750 MCM	6.25	4	3

## SELF-SEALING UF SPLICE KITS



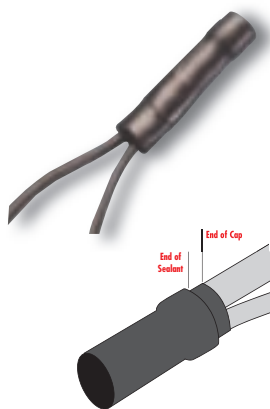
Fully waterproof, submersible and re-enterable splice, through the use of uniquely designed interference fit covers. Kit comes complete with a connector, silicone and cover AWG UF cable.

CATALOG NO.	UPC NO	DESCRIPTION	CARTON QUANTITY
SKSS-2	16930	Splice Kit for 2 conductor cable	12
SKSS-3	16933	Splice Kit for 3 conductor cable	12

# Splicing

## "ROLL-ON" SPLICE/STUB CONNECTION KITS

### EASY-SPLICE™ DIRECT BURIAL "ROLL-ON" STUB CONNECTION INSULATION KITS



Easy-Splice™ ROSS stub kits offer the quick and easy "roll-on" way to insulate and seal stub connections in motors and street lights to 1,000 volts. The elastomeric cap provides the required insulation thickness, withstands abrasion, and forms a water-resistant seal.

Suitable for use with a single conductor, 1,000 volt power cable. Designed for use with compression connectors (connectors not included). Each kit includes three ROSS caps and sealant

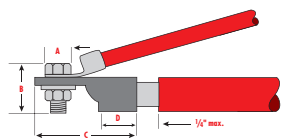
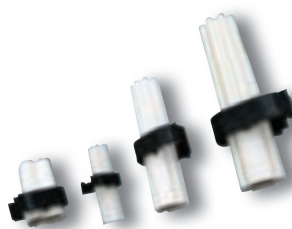
strips to insulate three stub connections. Select the appropriate kit based on the feeder cable conductor size. It is not necessary to know the size of the tap conductor.

Qualified to ANSI C119.1-1986. UL 486D listed, suitable for direct burial.

The tool-free ROSS cap is ideal for installation in cramped motor boxes. It slides on easily and will not leak, unravel or slip off.

CATALOG NO.	UPC CODE	FEEDER SIZE		BOLT DIMENSIONS		MAXIMUM LUG LENGTH	NOMINAL CAP LENGTH	CTN. QTY.
		2 WIRE STUB	3 WIRE STUB	MAX. SIZE	MAX. LENGTH			
ROSS-4	12341	#14 – #4	#14 – #8	0.375 (8)	0.625 (15)	1.75 (45)	3.00 (75)	5
ROSS-2/0	12340	#8 – 2/0	#6 – #2	0.375 (8)	0.750 (20)	2.75 (70)	4.00 (100)	5
ROSS-4/0	12342	#2 – 4/0	n/a	0.500 (12)	1.00 (25)	3.00 (75)	5.25 (130)	5
ROSS-500	12343	250 – 500	n/a	0.625 (16)	1.50 (35)	5.00 (125)	7.50 (190)	5

### EASY-SPLICE™ "PUSH ON" GEL STUB SPLICE KITS



Easy-Splice™ gel stub splice kits quickly and conveniently insulate, seal, and protect stub splice connections up to 1,000 volts. The robust yet compact design is engineered to handle the harsh environment of motor and many other connection applications (including street lights).

The specially formulated material provides excellent abrasion resistance, insulation value, and UV resistance (see chart below). In addition, the cap is clear allowing visual inspection of connector positioning during installation and connector performance during service life. Each cap size is designed to fit a wide range of cable sizes. The expandable design keeps the cap as small as possible allowing it to expand only as much as needed

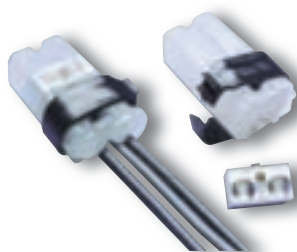
to fit. GSS connector kits provide the fastest installation. Simply slide the cover down over the connection and snap the clamp closed. No extra materials (greases) are required, the sealant gel is already in the cap.

Common uses for the GSS connector are: street lights, motor connection, irrigation systems, HVAC, outdoor lighting, and over wire nuts for a secure seal. Rated 105°C. UL listed.

The GSS-10 kit is designed for three phases in one cap. It includes one gel filled cap, one cap clamp, and one phase separator. The remaining kits include three of each – one per phase.

CAT. NO.	UPC CODE	FEEDER CONDUCTOR SIZE (MM)	MAX. BOLT DIMENSIONS		LUG DIMENSIONS		CAP LENGTH	CTN. QTY.
			WIDTH A	LENGTH B	TOTAL LENGTH C	BARREL LENGTH D		
GSS-10	01555	#16 – #10 AWG (1.5 – 5)	0.375 (10)	0.50 (13)	1.00 (25)	0.50 (13)	2.80 (71)	5
GSS-2	01556	#8 – #2 AWG (8 – 35)	0.625 (16)	1.00 (25)	2.00 (51)	1.00 (25)	3.50 (89)	5
GSS-4/0	01557	#2 – #4/0 AWG (35 – 105)	0.850 (22)	1.30 (33)	3.00 (76)	1.50 (38)	6.00 (152)	5
GSS-500	01558	250 – 500 MCM (125 – 250)	1.100 (28)	1.85 (47)	5.00 (127)	2.00 (51)	8.00 (203)	5

### EASY-SPLICE™ GEL STUB SPLICE KIT (WITH CONNECTOR FOR STREET LIGHTING)



The Easy-Splice™ gel stub splice kit insulates, seals and protects stub splice connections up to 1,000 volts and are frequently used for street lighting connections. The specially formulated material provides excellent abrasion resistance, insulation value and UV resistance. In addition, the cap is clear to allow visual inspection of connector positioning during installation and connector performance during service life.

The special three wire connector is perfect

for street light connections. There are two ports that accept wires from #14 to 2/0 AWG (feeder cable). Use the single port that accepts #14 to #6 AWG to power the light. To install, simply push the cover down over the connection and snap the clamp closed. Corrosion protection is provided by the sealant gel. The kit includes a UL listed connector for use with copper and/or aluminum conductors, a gel filled cap and a cap clamp.

CAT. NO.	UPC NO.	HOLE A		HOLE B		CARTON QUANTITY
		WIRE RANGE	TORQUE	WIRE RANGE	TORQUE	
ESSLK-2/0	16860	#14 AWG – 2/0	120 – 180 IN/LB	#6 – #14 AWG	120 – 150 IN/LB	3

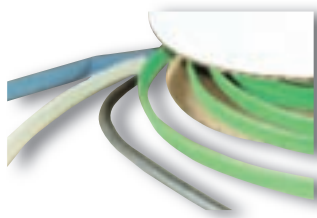
#### TESTING TEST CONDITIONS

chemical resistance	ASTM D543, sulfuric acid, sodium hydroxide, transformer and motor oil
ozone resistance	ASTM D1149, 120 hours @ 40°C, 50pphm
accelerated aging	ASTM D2671
UV resistance	ASTM G154, UVB, 4,000 hours on/off cycle
abrasion resistance	2040 gm wt., 4,000 cycles, 5% max thickness loss

# Splicing

## THIN WALL TUBING

### THIN WALL TUBING



Flexible flame-retardant, thin wall, general purpose heat-shrinkable polyolefin tubing has a 2:1 shrink ratio. Used for electrical insulation, wire harness bundling, wire jacket marking and color coding, it also splices and makes functional terminations. Available in black, white, red, green, blue and clear. Standard packaging

is either 6" lengths in blister boxes, or in economical 25' spools.

UL Recognized to Standard 224. Black, white and colored thin wall tubing meet MIL-DTL-23053/5, Class 1. Clear meets MIL-DTL-23053/5, Class 2 and is not flame retardant. Rated 600 volts, 125°C.

CATALOG NO.	UPC CODE	EXPANDED I.D.	RECOVERED I.D.	NOMINAL RECOVERED WALL THICKNESS	PACKAGING	COLOR
TWHS-046-6	01350	.046	0.23	.016	15 pieces x 6" (blister box)	black
TWHS-046-48	01351	.046	0.23	.016	48" length	black
TWHS-046	01352	.046	0.23	.016	1,000 ft. vspool	black
TWHS-063-6	01353	.063	.031	.017	15 pieces x 6" (blister box)	black
TWHS-063-DS	01400	.063	.031	.017	plastic spool - * 96"	black
TWHS-063-48	01354	.063	.031	.017	48" length	black
TWHS-063-25B	01416	.063	.031	.017	25 ft. spool	black
TWHS-063-25W	01417	.063	.031	.017	25 ft. spool	white
TWHS-063	01355	.063	.031	.017	1,000 ft. spool	black
TWHS-093-6	01356	.093	.046	.020	15 pieces x 6" (blister box)	black
TWHS-093-48	01357	.093	.046	.020	48" length	black
TWHS-093-25B	01419	.093	.046	.020	25 ft. spool	black
TWHS-093-25W	01420	.093	.046	.020	25 ft. spool	white
TWHS-093-25C	01421	.093	.046	.020	25 ft. spool	clear
TWHS-093	01358	.093	.046	.020	1,000 ft. spool	black
TWHS-125-6	01359	.125	.062	.020	15 pieces x 6" (blister box)	black
TWHS-125-DS	01561	.125	.062	.020	plastic spool - 96"	black
TWHS-RED	01390	.125	.062	.020	15 pieces x 6" (blister box)	red
TWHS-125-48	01360	.125	.062	.020	48" length	black
TWHS-125-25B	01422	.125	.062	.020	25 ft. spool	black
TWHS-125-25W	01423	.125	.062	.020	25 ft. spool	white
TWHS-125-25C	01424	.125	.062	.020	25 ft. spool	clear
TWHS-125	01361	.125	.062	.020	1,000 ft. spool	black
TWHS-187-6	01362	.187	.093	.020	12 pieces x 6" (blister box)	black
TWHS-187-DS	01562	.187	.093	.020	plastic spool - 96"	black
TWHS-BLUE	01391	.187	.093	.020	12 pieces x 6" (blister box)	blue
TWHS-187-48	01363	.187	.093	.020	48" length	black
TWHS-187-25B	01428	.187	.093	.020	25 ft. spool	black
TWHS-187-25C	01430	.187	.093	.020	25 ft. spool	clear
TWHS-187	01364	.187	.093	.020	1,000 ft. spool	black
TWHS-250-6	01365	.250	.125	.025	10 pieces x 6" (blister box)	black
TWHS-250-DS	01563	.250	.125	.025	plastic spool - 96"	black
TWHS-YELLOW	01392	.250	.125	.025	10 pieces x 6" (blister box)	yellow
TWHS-250-48	01366	.250	.125	.025	48" length	black
TWHS-250-25B	01431	.250	.125	.025	25 ft. spool	black
TWHS-250-25W	01432	.250	.125	.025	25 ft. spool	white
TWHS-250-25C	01433	.250	.125	.025	25 ft. spool	clear
TWHS-250	01367	.250	.125	.025	500 ft. spool	black

## THIN WALL TUBING



CATALOG NO.	UPC CODE	EXPANDED I.D.	RECOVERED I.D.	NOMINAL RECOVERED WALL THICKNESS	PACKAGING	COLOR
TWHS-312-6	01368	.312	.156	.025	10 pieces x 6" (blister box)	black
TWHS-312-DS	01564	.312	.156	.025	plastic spool – 96"	black
TWHS-312-48	01369	.312	.156	.025	48" length	black
TWHS-312	01370	.312	.156	.025	200 ft. spool	black
TWHS-375-6	01371	.375	.187	.025	9 pieces x 6" (blister box)	black
TWHS-375-DS	01405	.375	.187	.025	plastic spool – 96"	black
TWHS-375-48	01372	.375	.187	.025	48" length	black
TWHS-375-25B	01437	.375	.187	.025	25 ft. spool	black
TWHS-375-25W	01438	.375	.187	.025	25 ft. spool	white
TWHS-375-25C	01439	.375	.187	.025	25 ft. spool	clear
TWHS-500-6	01374	.500	.250	.025	8 pieces x 6" (blister box)	black
TWHS-500-DS	01566	.500	.250	.025	plastic spool – 96"	black
TWHS-500-48	01375	.500	.250	.025	48" length	black
TWHS-500-25B	01444	.500	.250	.025	25 ft. spool	black
TWHS-500-25W	01445	.500	.250	.025	25 ft. spool	white
TWHS-500-25C	01446	.500	.250	.025	25 ft. spool	clear
TWHS-500	01376	.500	.250	.025	200 ft. spool	black
TWHS-750-6	01377	.750	.375	.030	6 pieces x 6" (blister box)	black
TWHS-750-DS	01567	.750	.375	.030	plastic spool – 96"	black
TWHS-750-48	01378	.750	.375	.030	48" length	black
TWHS-750-25B	01452	.750	.375	.030	25 ft. spool	black
TWHS-750-25W	01453	.750	.375	.030	25 ft. spool	white
TWHS-750-25C	01454	.750	.375	.030	25 ft. spool	clear
TWHS-750	01379	.750	.375	.030	100 ft. spool	black
TWHS-1000-6	01380	1.000	.500	.035	4 pieces x 6" (blister box)	black
TWHS-1000-DS	01560	1.000	.500	.035	plastic spool – 96"	black
TWHS-1000-48	01381	1.000	.500	.035	48" length	black
TWHS-1000-25B	01455	1.000	.500	.035	25 ft. spool	black
TWHS-1000-25C	01457	1.000	.500	.035	25 ft. spool	clear
TWHS-1000	01382	1.000	.500	.035	100 ft. spool	black
TWHS-1500-25B	01458	1.500	.750	.040	25 ft. spool	black
TWHS-1500-25C	01460	1.500	.750	.040	25 ft. spool	clear
TWHS-2000-25B	01461	2.000	1.000	.045	25 ft. spool	black
TWHS-2000-25C	01463	2.000	1.000	.045	25 ft. spool	clear

# Splicing

## THIN WALL AND HEAVY WALL HEAT SHRINK KITS/END CAPS

### THIN WALL HEAT SHRINK KITS



These kits have been carefully constructed to include the most common sizes and types in their category. The cases are made of extremely durable polypropylene and have heat sealed hinges. They

provide the ultimate in organization and convenience. Clearly labeled on the inside lid for easy recognition. Convenient size for easy carrying and easy storing.

DESCRIPTION	CATALOG NO.	UPC CODE	KIT CONTAINS		CARTON QUANTITY	SHPG. WT. LBS. EA
			QTY.	CAT.NO.		
Contains the six most common sizes of thin wall heat shrink in 6" lengths. 2:1 shrink ratio. Used for electrical insulation, wire harness bundling, splices and terminations. 600 volt rated.	THK	01171	25	TWHS-125-6	8	2
			25	TWHS-187-6		
			20	TWHS-250-6		
			12	TWHS-375-6		
			7	TWHS-500-6		
			5	TWHS-750-6		

### HEAVY WALL HEAT SHRINK KITS (WITH SEALANT)

DESCRIPTION	CATALOG NO.	UPC CODE	KIT CONTAINS		CARTON QUANTITY	SHPG. WT. LBS. EA
			QTY.	CAT.NO.		
Contains the four most common sizes of heavy wall heat shrink in 6" lengths. 3:1 shrink ratio. Interior is coated with an adhesive which ensures a watertight seal after shrinking. Recommended for almost all applications where tough mechanical protection and a watertight seal are required. 600 volt rated.	HHK	01170	8	HWHS-400-6	8	2
			4	HWHS-750-6		
			4	HWHS-110-6		
			2	HWHS-150-6		

### HEAVY WALL HEAT SHRINK DISPLAY BAGS

DESCRIPTION	CATALOG NO.	UPC CODE	BAG CONTAINS		UPC CODE	CARTON QTY.
			QTY.	CAT.NO.		
For details regarding heavy wall heat shrink, see page 111	HSB-400	01180	6	HWHS 400-6	01150	10
	HSB-750	01181	6	HWHS 750-6	01152	10
	HSB-110	01182	6	HWHS 110-9	01155	10
	HSB-150	01183	4	HWHS 150-9	01158	10
	HSB-200	01184	3	HWHS 200-12	01162	10
	HSB-M	01185	1	HWHS 400-6	01150	combo pack

### HEAT-SHRINKABLE END CAPS



Heat-shrinkable end caps provide for efficient and positive cable end sealing. Made of thermally stabilized polyolefin, the interior of the HSC is coated with a meltable sealant to assure a watertight seal, complete insulation, abrasion and corrosion resistance. Seals may be affected over lead, steel, aluminum, copper and all standard plastic and elastomeric insulating materials and conduit. These caps replace greases, tapes, epoxy,

encapsulation, or dips. In most sizes, installation may be accomplished in less than one minute.

HSC end sealing caps are qualified to ANSI C119.1-1986 and rated to ICEA electrical withstand test for 1,000 volts. HSC end sealing caps can be used as a live seal for cables carrying up to 1,000 volts. They can also be used as end seals for storing and pulling de-energized cable.

CAT. NO.	UPC CODE	CONDUCTOR SIZE	PRIMARY INSULATION (1,000V) USE RANGE (INCHES)		GENERAL USE RANGE RECOVERED (INCHES)	
			MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
HSC-30	01464	#12 - #8 AWG	.35	.17	.30	.15
HSC-70	01465	#6 - 3/0 AWG	.71	.31	.70	.30
HSC-125	01466	4/0 AWG - 750 mcm	1.25	.65	1.25	.65
HSC-195	01467	750 - 1500 mcm	1.94	1.08	1.95	1.05
HSC-265	01468	1500 - 2000 mcm	2.58	1.38	2.65	1.30
HSC-370	01469		3.54	1.94	3.70	1.85
HSC-450	01470		4.25	3.02	4.50	2.95

### HOT-MELT SEALANT SLEEVES

Split sealant tubes used to provide a cable block in multi conductor cables. Use a minimum of one sleeve for every two cable conductors. Install HWHS or CRS product over HMSS sealant sleeves to melt sealant sleeves and provide cable block.

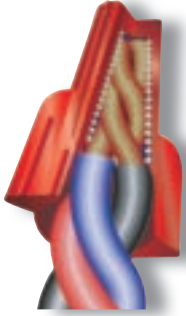
CATALOG NO.	UPC CODE	DIMENSIONS		NUMBER OF SLEEVES PER CONDUCTOR	CARTON QUANTITY
		LENGTH	INSIDE DIA.		
HMSS-4-40	01540	1.75	.160	#24 – #20 AWG: use 1 sleeve/2 conductors #14 – #12 AWG: use 1 sleeve/conductor	100 per box
HMSS-6-40	01541	1.75	.236	#18 – #16 AWG: use 1 sleeve/2 conductors #10 – #8 AWG: use 1 sleeve/conductor	100 per box





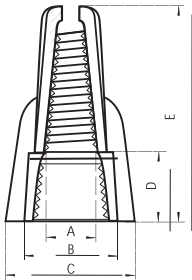
EASY-TWIST™  
WIRE CONNECTORS

### WINGED WIRE CONNECTORS



- Exceptional design makes twisting easier, ensuring proper installation – especially in tight spaces
- Deep surface ridges provide better grip
- Threaded funnel entry guides the wires into the connector easily
- Swept-back wing design provides handling comfort and increased torquing ability
- Square wire spring provides secure gripping of conductors
- Deep skirt entry provides protection from flashover and shorts
- Flame retardant thermoplastic shell provides excellent electrical insulation
- Temperature rating 105°C (221°F)
- Pre-twisting of wires is not necessary
- 1,000 volt maximum in fixtures and signs.

### DIMENSIONS



CATALOG NO.	A		B		C		D		E	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH
WWC-Y	6.40	0.252	9.80	0.386	18.20	0.717	9.00	0.354	25.80	1.016
WWC-T	7.20	0.283	11.60	0.457	18.30	0.720	9.20	0.362	29.00	1.142
WWC-R	9.0	0.354	13.50	0.531	23.00	0.906	9.60	0.378	31.80	1.252
WWC-G	10.00	0.394	14.90	0.587	25.50	1.000	10.00	0.394	33.30	1.311
WWC-B	12.00	0.472	18.80	0.740	32.00	1.260	13.10	0.516	40.00	1.575

### DIVIDED COMBINATION PAILS



### SOCKET TOOLS ARE IN EASY-TWIST™ BAGS



Socket installation tools are included at no extra charge in each **bag** of Easy-Twist connectors (catalog number with B suffix, excluding Blue Winged Wire connectors). They will fit any pneumatic or electrical tool with a 1/4 inch chuck or drive socket.

Handy-Pack and Four-Pack pails offer you the convenience of the most common Easy-Twist connectors. Three different sets are available in two different sized pails.

ITEM	CATALOG NO.	UPC CODE	QUANTITY/CONTENTS				FOR COPPER WIRE ONLY	
			PKG CARTON	WEIGHT LBS./CTN.	PKG CARTON	WEIGHT LBS./CTN.		
HANDY PACK PAIL #1	ET-CP-1	14190	70 WWC-T	80 WWC-Y	45 WWC-R	20 WWC-B	12 pails	23
HANDY PACK PAIL #2	ET-CP-2	14191	100 WC-O	75 WC-Y	50 WC-R	70 WWC-T	12 pails	22
HANDY PACK PAIL #3	ET-CP-3	14192	100 WC-O	70 WWC-T	80 WWC-Y	45 WWC-R	12 pails	22
FOUR-PACK PAIL #1	ET-CP-11	14193	40 WWC-T	50 WWC-Y	30 WWC-R	10 WWC-B	16 pails	16
FOUR-PACK PAIL #2	ET-CP-12	14194	65 WC-O	45 WC-Y	30 WC-R	40 WWC-T	16 pails	18
FOUR-PACK PAIL #3	ET-CP-13	14195	60 WC-O	45 WWC-T	50 WWC-Y	30 WWC-R	16 pails	19
FOUR-PACK PAIL #4	ET-CP-14	14323	65 WC-O	45 WC-Y	30 WC-R	100 WC-B	16 pails	18
FOUR-PACK PAIL #5	ET-CP-15	14324	120 WC-G	100 WC-B	65 WC-O	45 WC-Y	16 pails	17

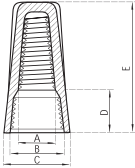
### TWIST-ON WIRE CONNECTORS - STANDARD TYPE



- Flame retardant UL 94V-2 thermoplastic shell provides excellent electrical insulation
- Temperature rating 105°C (221°F)
- Fixed, precise square wire spring provides secure gripping of conductors
- Deep skirt entry provides protection from flashover and shorts
- Sure-grip ribs improve gripping ability and comfort
- Compact design ensures proper installation – especially in tight spaces
- Threaded funnel entry guides the wires into the connector easily
- Pre-twisting of wires is not necessary
- 1,000 volt maximum in fixtures and signs



### DIMENSIONS



#### GREY 22-14 AWG

WIRE RANGE: max: 1 #14 w/1 #20 min: 2 #22  
VOLTAGE: 300 volt



#### BLUE 22-14 AWG

WIRE RANGE: max: 3 #16 min: 2 #22  
VOLTAGE: 300 volt



#### ORANGE 22-14 AWG

WIRE RANGE: max: 4 #16 w/1 #20 min: 1 #18 w/1 #20  
VOLTAGE: 600 volt max\*\*



#### YELLOW 22-10 AWG

WIRE RANGE: max: 1 #10 w/2#14 w/1 #16 min: 3 #20  
VOLTAGE: 600 volt max\*\*



#### RED 22-8 AWG

WIRE RANGE: max: 3 #10 min: 3 #18  
VOLTAGE: 600 volt max\*\*

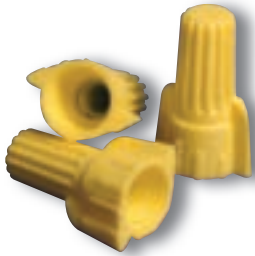
\*Socket installation tools are included at no extra charge in each bag of Easy-Twist connectors (catalog number with "B" suffix). They will fit any pneumatic or electrical tool with a 1/4" chuck or drive socket.

FOR COPPER WIRE ONLY

CAT. NO.	A		B		C		D		E	
	MM	NCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH
WC-G	3.80	0.150	6.70	0.264	8.60	0.339	5.80	0.228	15.20	0.598
WC-B	4.10	0.161	7.00	0.276	9.80	0.386	5.90	0.232	17.60	0.693
WC-O	5.00	0.197	9.90	0.390	12.20	0.480	7.80	0.307	22.00	0.866
WC-Y	6.00	0.236	11.20	0.441	14.00	0.551	7.90	0.311	24.00	0.945
WC-R	7.50	0.295	13.00	0.511	16.40	0.645	9.15	0.360	26.50	1.042

CATALOG NO.	UPC CODE	PACKAGING UNIT	WEIGHT	
			CARTON	LBS./CTN.
WC-G-H	14004	BAG OF 25 WITH HEADER	15,000 (600 BAGS OF 25)	26
WC-G-C	14001	box of 100	7,700 (77 boxes of 100)	14
WC-G-SJ	14107	small jar of 300	15,000 (50 jars of 300)	22
WC-G-B*	14002	bag of 1,000	26,000 (26 bags of 1,000)	27
WC-G-CB	78826	blister box of 100	varies based on quantity ordered	
WC-G	14003	bulk	25,000	26
WC-B-H	14014	bag of 25 with header	10,000 (400 bags of 25)	24
WC-B-C	14011	box of 100	7,700 (77 boxes of 100)	17
WC-B-SJ	14239	small jar of 300	15,000 (50 jars of 300)	30
WC-B-B*	14012	bag of 1,000	18,000 (18 bags of 1,000)	28
WC-B-CB	78827	blister box of 100	varies based on quantity ordered	
WC-B	14013	bulk	10,000	17
WC-O-H	14024	bag of 25 with header	6,250 (250 bags of 25)	25
WC-O-C	14021	box of 100	4,500 (45 boxes of 100)	17
WC-O-CJ	14230	small jar of 100	5,000 (50 jars of 100)	22
WC-O-SJ	14240	standard jar of 300	6,000 (20 jars of 300)	24
WC-O-J	14025	large jar of 700	8,400 (12 jars of 700)	30
WC-O-P	14174	pail of 500	6,000 (12 pails of 500)	23
WC-O-B*	14022	bag of 500	8,000 (16 bags of 500)	25
WC-O-CB	78828	blister box of 50	varies based on quantity ordered	
WC-O	14023	bulk	10,000	31
WC-O-D	14026	fibre drum	50,000	130
WC-Y-H	14034	bag of 20 with header	4,000 (200 bags of 20)	23
WC-Y-C	14031	box of 100	4,500 (45 boxes of 100)	26
WC-Y-CJ	14231	small jar of 100	5,000 (50 jars of 100)	29
WC-Y-SJ	14241	standard jar of 200	4,000 (20 jars of 200)	23
WC-Y-J	14035	large jar of 500	6,000 (12 jars of 500)	31
WC-Y-P	14176	pail of 300	3,600 (12 pails of 300)	21
WC-Y-B*	14032	bag of 500	6,000 (12 bags of 500)	27
WC-Y-CB	78829	blister box of 40	varies based on quantity ordered	
WC-Y	14033	bulk	10,000	44
WC-Y-D	14036	fibre drum	35,000	185
WC-R-H	14044	bag of 20 with header	3,000 (150 bags of 20)	22
WC-R-C	14041	box of 100	3,200 (32 boxes of 100)	25
WC-R-SJ	14242	standard jar of 100	2,000 (20 jars of 100)	17
WC-R-J	14045	large jar of 350	4,200 (12 jars of 350)	34
WC-R-P	14173	pail of 200	2,400 (12 pails of 200)	19
WC-R-B*	14042	bag of 500	4,000 (8 bags of 500)	24
WC-R-CB	78830	blister box of 25	varies based on quantity ordered	
WC-R	14043	bulk	5,000	35
WC-R-D	14046	fibre drum	25,000	195

## WINGED WIRE CONNECTORS



### YELLOW 18-10 AWG

WIRE RANGE: max: 3 #12 min: 2 #18  
VOLTAGE: 600 volt/300 volt\*\*



### TAN 22-8 AWG

WIRE RANGE: max: 3 #10 min: 3 #22  
VOLTAGE: 600 volt/300 volt\*\*



### RED 18-8 AWG

WIRE RANGE: max: 5 #12 min: 3 #16  
VOLTAGE: 600 volt/300 volt\*\*



### GREY 18-8 AWG

WIRE RANGE: max: 3 #10 min: 3 #14 w/1 #18  
VOLTAGE: 600 volt max\*\*



### BLUE 14-6 AWG

WIRE RANGE: max: 1 #8 w/3 #10  
min: 2 #10 w/1 #12  
VOLTAGE: 600 volt max\*\*

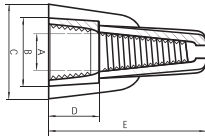
CATALOG NO.	UPC CODE	PACKAGING		FOR COPPER WIRE ONLY
		UNIT	CARTON	WEIGHT LBS./CTN.
WWC-Y-H	14104	bag of 25 with header	5,000 (200 bags of 25)	26
WWC-Y-C	14101	box of 100	3,200 (32 boxes of 100)	21
WWC-Y-CJ	14232	small jar of 100	5,000 (50 jars of 100)	27
WWC-Y-SJ	14243	standard jar of 200	4,000 (20 jars of 200)	22
WWC-Y-J	14105	large jar of 550	6,600 (12 jars of 550)	32
WWC-Y-P	14182	pail of 350	4,200 (12 pails of 350)	22
WWC-Y-B*	14102	bag of 500	6,500 (13 bags of 500)	27
WWC-Y-CB	78831	blister box of 40	varies based on quantity ordered	
WWC-Y	14103	bulk	5,000	23
WWC-Y-D	14106	fibre drum	35,000	94
WWC-T-H	14132	bag of 25 with header	5,000 (200 bags of 25)	30
WWC-T-C	14124	box of 100	3,200 (32 boxes of 100)	19
WWC-T-CJ	14233	small jar of 100	5,000 (50 jars of 100)	31
WWC-T-SJ	14244	standard jar of 150	3,000 (20 jars of 150)	20
WWC-T-J	14147	large jar of 450	5,400 (12 jars of 450)	31
WWC-T-P	14181	pail of 300	3,600 (12 pails of 300)	23
WWC-T-B*	14125	bag of 500	6,000 (12 bags of 500)	30
WWC-T-CB	78832	blister box of 30	varies based on quantity ordered	
WWC-T	14126	bulk	5,000	25
WWC-T-D	14006	fibre drum	30,000	206
WWC-R-H	14114	bag of 25 with header	3,125 (125 bags of 25)	10.55/12.77KG
WWC-R-C	14111	box of 100	3,200 (32 boxes of 100)	28
WWC-R-SJ	14245	standard jar of 100	2,000 (20 jars of 100)	21
WWC-R-J	14115	large jar of 300	3,600 (12 jars of 300)	32
WWC-R-P	14180	pail of 200	2,400 (12 pails of 200)	23
WWC-R-B*	14112	bag of 500	3,500 (7 bags of 500)	27
WWC-R-CB	78830	blister box of 25	varies based on quantity ordered	
WWC-R	14113	bulk	5,000	40
WWC-R-D	14116	fibre drum	20,000	216
WWC-G-C	14139	box of 50	1,600 (32 boxes of 50)	22
WWC-G-SJ	14246	standard jar of 50	1,000 (20 jars of 50)	18
WWC-G-P	14178	pail of 150	1,800 (12 pails of 150)	26
WWC-G-B*	14140	bag of 250	2,750 (11 bags of 250)	33
WWC-G-CB	78834	blister box of 12	varies based on quantity ordered	
WWC-G	14141	bulk	5,000	40
WWBC-B-H	14131	bag of 6 with header	1,200 (200 bags of 6)	26
WWC-B-C	14121	box of 50	1,100 (22 boxes of 50)	17
WWC-B-SJ	14247	standard jar of 50	1000 (20 jars of 50)	23
WWC-B-J	14148	large jar of 125	1,500 (12 jars of 125)	32
WWC-B-P	14177	pail of 90	1,080 (12 pails of 90)	24
WWC-B-B	14122	bag of 100	1,600 (16 bags of 100)	28
WWC-B	14123	bulk	2,500	36
WWC-B-CB	78835	blister box of 8	varies based on quantity ordered	
WWC-B-D	14007	fibre drum	9,500	125

\*Socket installation tools are included at no extra charge in each bag of Easy-Twist connectors (catalog number with "-B" suffix). They will fit any pneumatic or electrical tool with a 1/4 inch chuck or drive socket.

### GROUNDING CONNECTORS



### DIMENSIONS



- Color coded GREEN for quick identification as a grounding conductor for copper wire only
- Specifically designed for making positive ground connections and bonding non-metallic sheathed cable

- Live-action square spring draws wires deep into the spring for a safe, tight grip ensuring an excellent connection
- Swept-back wing design enables users to tighten connectors easily by hand.

FOR COPPER WIRE ONLY

CATALOG NO.	UPC CODE	PACKAGING UNIT	WEIGHT	
			CARTON	LBS./CTN.
WWC-GR-H	14142	bag of 25 with header	3,750 (150 bags of 25)	10.55/12.50KG
WWC-GR-C	14127	box of 100	3,200 (32 boxes of 100)	25
WWC-GR-SJ	14250	standard jar of 100	2,000 (20 jars of 100)	19
WWC-GR-J	14149	large jar of 350	4,200 (12 jars of 350)	39
WWC-GR-P	14179	pail of 250	3,000 (12 pails of 250)	25
WWC-GR-B	14128	bag of 500	4,500 (9 bags of 500)	31
WWC-GR-CB	78836	blister box of 25	varies based on quantity ordered	
WWC-GR	14129	bulk	5,500	35
WWC-GR-D	14162	fibre drum	25,000	151

TYPICAL EXAMPLE:

**X** System grounding wire    **Y** System grounding wire    **Z** "Through" wire between device and box ground

Note: If "through" wire is a jumper, be sure wire extends below skirt 6" min.

CATALOG NO.	A		B		C		D		E	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH
WWC-GR	8.30	0.327	12.10	0.476	20.20	0.795	9.40	0.370	28.80	1.134

### N-TYPE WINGED WIRE CONNECTOR



#### YELLOW 22-10 AWG

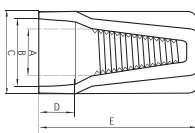
WIRE RANGE: max: 3 #12 min: 4 #22  
VOLTAGE: 600 volt max\*



#### RED 22-6 AWG

WIRE RANGE: max: 1 #8 w/3 #12 str. min: 3 #20 • VOLTAGE: 600 volt max\*

### DIMENSIONS



- Temperature rating 105°C (221°F)
- Made from nylon 6/6 (Polyimide 66)
- Swept-back design provides firm and comfortable twisting
- Inserted with fixed, square-wire spring grabs wires quickly and firmly
- Compact design perfect for tight spaces
- Color coded to industry standards
- Pre-twisting of wires is not necessary
- 1,000 volt maximum in fixtures and signs

FOR COPPER WIRE ONLY

CATALOG NO.	COLOR CODE	UPC CODE	PACKAGING UNIT		WEIGHT	
			CARTON	LBS./CTN.		
WWC-N1-H	yellow	14259	bag of 25 with header	1,000 (40 bags of 25)	5.35	
WWC-N1-C	yellow	14172	box of 100	4,500 (45 boxes of 100)	20	
WWC-N1-CJ	yellow	14234	small jar of 100	5,000 (50 jars of 100)	25	
WWC-N1-SJ	yellow	14248	standard jar of 250	5,000 (20 jars of 250)	24	
WWC-N1-J	yellow	14151	large jar of 600	7,200 (12 jars of 600)	31	
WWC-N1-P	yellow	14257	pail of 450	5,400 (12 pails of 450)	25	
WWC-N1-B	yellow	14252	bag of 500	6,500 (13 bags of 500)	25	
WWC-N1	yellow	14253	bulk	10,000	37	
WWC-N1-D	yellow	14260	fibre drum	45,000	168	
WWC-N2-H	red	14261	bag of 25 with header	1,000 (40 bags of 25)	7.3	
WWC-N2-C	red	14175	box of 100	3,200 (32 boxes of 100)	22	
WWC-N2-SJ	red	14249	standard jar of 100	2,000 (20 jars of 100)	17	
WWC-N2-J	red	14254	large jar of 400	4,800 (12 jars of 400)	32	
WWC-N2-P	red	14258	pail of 250	3,000 (12 pails of 250)	22	
WWC-N2-B	red	14255	bag of 500	4,500 (9 bags of 500)	27	
WWC-N2	red	14256	bulk	10,000	33	
WWC-N2-D	red	14262	fibre drum	25,000	183	

CATALOG NO.	A		B		C		D		E	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH
WWC-N1	7.30	0.287	10.90	0.429	12.50	0.492	10.60	0.417	25.20	0.992
WWC-N2	9.10	0.358	13.20	0.520	14.80	0.583	11.50	0.453	29.50	1.161

### HIGH TEMPERATURE 150°C



- Flame retardant UL 94V-2 thermoplastic shell provides excellent electrical insulation
- Temperature rating 150°C
- Fixed precise square wire spring provides secure gripping of conductors
- Deep skirt entry provides protection from flash-over and shorts
- Sure-grip ribs improve gripping ability and comfort
- Compact design ensures proper installation, especially in tight spaces
- Threaded funnel entry guides the wires into the connector easily
- Pre-twisting of wires is not necessary

FOR COPPER WIRE ONLY

CATALOG NO.	UPC CODE	COLOR CODE	VOLTAGE	WIRE RANGE	PACKAGING		WEIGHT LBS./CTN.
					UNIT	CARTON	
WC-HB1-B*	14150	black	300 volt	22-14 AWG	bag of 1,000	26,000 (26 bags of 1,000)	32
WC-HB1	14151	black	300 volt	22-14 AWG	bulk	10,000	15.25
WC-HB3-B*	14160	black	600 volt	22-14 AWG	bag of 500	8,000 (16 bags of 500)	36
WC-HB3	14161	black	600 volt	22-14 AWG	bulk	10,000	41.55

\*Socket installation tools are included at no extra charge in each bag of Easy-Twist connectors (catalog number with "-B" suffix). They will fit any pneumatic or electrical tool with a 1/4 inch chuck or drive socket.

### CRIMP SLEEVE WIRE CONNECTORS



- Copper crimp sleeves are designed for easy installation and provide an exceptional connection

FOR COPPER WIRE ONLY

CATAOLOGY NO.	UPC CODE	WIRE RANGE	PACKAGING		WEIGHT LBS./CTN.
			UNIT	CARTON	
SB1810	08120	18-10 AWG	BLISTER BOX OF 100	8,000 (80 BOXES OF 100)	19
SB1810-B	08122	18-10 AWG	BAG OF 500	15,000 (30 BOXES OF 500)	36
SB1808	08121	18-8 AWG	BLISTER BOX OF 100	5,000 (50 BOXES OF 100)	23
SB1808-B	08123	18-8 AWG	BAG OF 500	10,000 (20 BOXES OF 500)	45

### NYLON CLOSED END



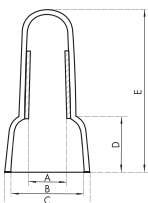
- Made from nylon 6/6 (Polyimide 66)
- UL 94 V-2 self-extinguishing
- Rated 300 volts
- Temperature rating to 105°C

FOR COPPER WIRE ONLY

CAT NO.	UPC CODE	COLOR CODE	VOLTAGE	WIRE RANGE	PACKAGING		WEIGHT LBS./CTN.
					UNIT	CARTON	
C22-N	06800	natural	300 volt	22-18 AWG	box of 100	1,800 (18 boxes of 100)	2.5
C22-N-B	06850	natural	300 volt	22-18 AWG	bag of 1,000	30,000 (30 bags of 1,000)	34
C16-N	06801	natural	300 volt	22-14 AWG	box of 100	1,200 (12 boxes of 100)	2.4
C16-N-B	06851	natural	300 volt	22-14 AWG	bag of 1,000	20,000 (20 bags of 1,000)	27
C12-N	06802	natural	300 volt	22-10 AWG	box of 50	600 (12 boxes of 50)	2.4
C12-N-B	06852	natural	300 volt	22-10 AWG	bag of 1,000	10,000 (10 bags of 1,000)	32
C8-N	06803	natural	300 volt	16-10 AWG	box of 40	480 (12 boxes of 40)	3
C8-N-B	06853	natural	300 volt	16-10 AWG	bag of 500	6,000 (12 bags of 500)	34

### DIMENSIONS

CATALOG NO.	A		B		C		D		E	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH
C22-N	2.60	0.102	6.20	0.244	7.80	0.307	6.20	0.244	18.00	0.709
C16-N	3.00	0.118	7.90	0.311	9.50	0.374	7.20	0.283	19.70	0.776
C12-N	4.00	0.157	10.50	0.413	12.50	0.492	9.60	0.378	25.50	1.004
C8-N	5.30	0.209	12.40	0.488	14.60	0.575	12.00	0.472	27.70	1.091



# EASY-TWIST™ Push-In

Wire Range 22-12 AWG!  
*solid AND stranded*

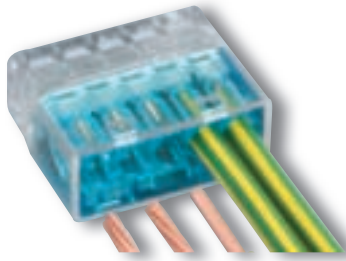
- Available in 2, 3, 4, 5, 6 and 8 port configurations
- Two-blade construction holds wire more securely
- In-line construction on all sizes (compare to stacked construction) allows for greater flexibility when fitting into boxes & other tight spaces
- Clear construction for visual inspection
- Stranded conductors do not need to be tinned



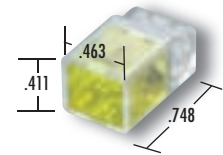
FOR COPPER WIRE ONLY

**NSi**

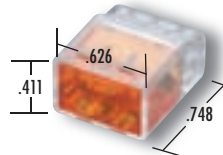
### PUSH-IN WIRE CONNECTORS (FOR SOLID OR STRANDED COPPER WIRES)



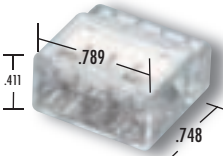
- Large wire range: accommodates 22-12 AWG solid or stranded copper wire
- Fast, safe and reliable installation saves time and money
- No twisting or taping of conductors required
- Just strip the wire, insert the connector and you are done
- One wire per opening ensures loose connections are eliminated
- Made of strong, UL 94V-2 flame retardant polycarbonate
- Rated 600 volts (up to 1,000 volts for fixtures and signs)
- Temperature range from -40°F to 221°F (-30°C to 105°C)
- Integrated test port enables continuity testing
- Color coded for easy identification
- Compact design perfect for tight spaces



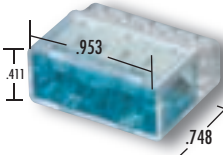
CATALOG NO.	UPC CODE	COLOR CODE	NO. OF WIRES	PACKAGING		WEIGHT LBS./CTN.
				UNIT	CARTON	
PIWC-2-C	14211	yellow	2	box of 100	4,500 (45 boxes of 100)	29
PIWC-2-B	14221	yellow	2	bag of 500	7,000 (14 bags of 500)	39



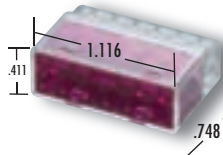
PIWC-3-C	14212	orange	3	box of 100	4,500 (45 boxes of 100)	38
PIWC-3-B	14222	orange	3	bag of 500	5,500 (11 bags of 500)	42



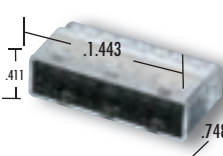
PIWC-4-C	14213	clear	4	box of 75	3,375 (45 boxes of 75)	37
PIWC-4-B	14223	clear	4	bag of 400	4,400 (11 bags of 400)	42



PIWC-5-C	14214	blue	5	box of 50	2,250 (45 boxes of 50)	30
PIWC-5-B	14224	blue	5	bag of 300	3,600 (12 bags of 300)	42

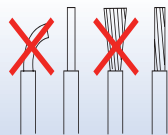


PIWC-6-C	14326	purple	6	box of 50	2,250 (45 boxes of 50)	35
PIWC-6-B	14327	purple	6	bag of 250	3,000 (12 bags of 250)	41

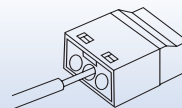


PIWC-8-C	14215	grey	8	box of 40	1,800 (45 boxes of 40)	36
PIWC-8-B	14225	grey	8	bag of 200	2,400 (12 bags of 200)	44

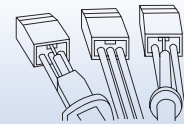
### INSTALLATION



TURN OFF POWER.  
Strip wire approximately 0.45 inches (11mm).



Push the stripped conductor into the port of connector fully. No more twisting or taping.



Use a voltage meter to test your connection via the port on connector.

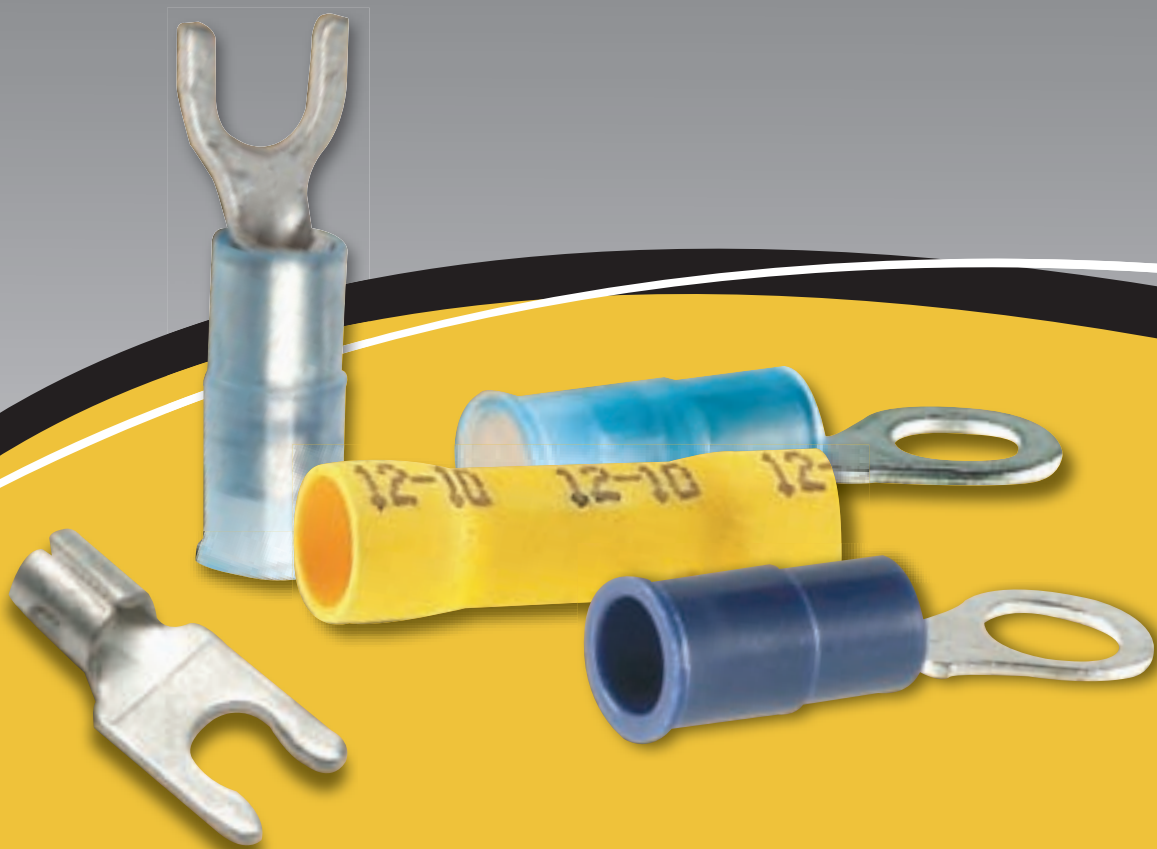
CERAMIC WIRE CONNECTORS

**CERAMIC WIRE CONNECTORS**



Ceramic wire connectors are made of high quality ceramics and have excellent electrical and heat resistant properties. They are a simple one piece design with threads which are molded into the body. They have a maximum working temperature of 1000°F and are specified instead of plastic for applications above 200°F. Typical uses include appliances, high powered lighting fixtures, ceiling fans, heaters, plastic extrusion/injection molding barrels and similar high-temperature applications.

CATALOG NO.	UPC NO.	SIZE	CROSS REFERENCE	AWG	PCS/BAG	CTN. QTY.
TOP-S-D	06173	small	orange	22-14	15	25
TOP-S-CD	06174	small	orange	22-14	100	10
TOP-M-D	06175	medium	yellow	22-10	15	25
TOP-M-CD	06176	medium	yellow	22-10	100	10
TOP-L-D	06177	large	red	18-8	15	25
TOP-L-CD	06178	large	red	18-8	100	10



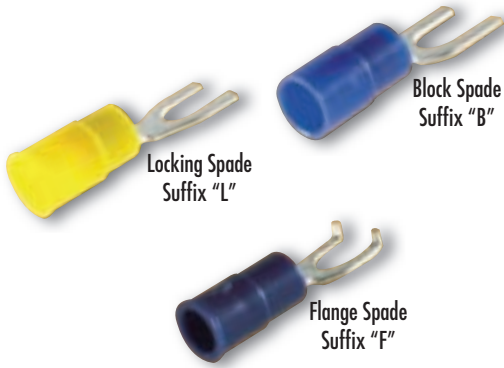


MINITERMS

# Miniterms

VINYL-INSULATED SPADE TERMINALS

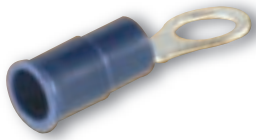
## VINYL-INSULATED SPADE TERMINALS



CAT. NO.	UPC CODE	WIRE SIZE	STUD SIZE	LENGTH	WIDTH	CTN. QTY.
S22-4V	06200	22-18	4	.846	.228	100
S22-6V	06201	22-18	6	.896	.224	100
S22-6V-L	06301	22-18	6	.768	.252	100
S22-6V-B	06601	22-18	6	.846	.244	100
S22-6V-F	06451	22-18	6	.768	.303	100
S22-8V	06202	22-18	8	.862	.276	100
S22-8V-L	06302	22-18	8	.847	.280	100
S22-8V-B	06602	22-18	8	.768	.303	100
S22-8V-F	06452	22-18	8	.768	.303	100
S22-10V	06203	22-18	10	.906	.378	100
S22-10V-L	06303	22-18	10	.885	.331	100
S22-10V-B	06603	22-18	10	.768	.303	100
S22-10V-F	06453	22-18	10	.768	.303	100
S22-14V	06204	22-18	1/4	1.004	.433	100
S16-6V	06205	16-14	6	.839	.252	100
S16-6V-L	06305	16-14	6	.768	.252	100
S16-6V-B	06605	16-14	6	.768	.303	100
S16-6V-F	06455	16-14	6	.768	.303	100
S16-8V	06206	16-14	8	.846	.315	100
S16-8V-L	06306	16-14	8	.846	.280	100
S16-8V-B	06606	16-14	8	.768	.303	100
S16-8V-F	06456	16-14	8	.768	.303	100
S16-10V	06207	16-14	10	.846	.315	100
S16-10V-L	06307	16-14	10	.855	.331	100
S16-10V-B	06607	16-14	10	.768	.303	100
S16-10V-F	06457	16-14	10	.768	.303	100
S16-14V	06208	16-14	1/4	1.004	.472	100
S12-6V	06209	12-10	6	1.012	.354	50
S12-6V-L	06309	12-10	6	1.012	.311	50
S12-8V	06210	12-10	8	1.012	.354	50
S12-8V-L	06310	12-10	8	1.012	.311	50
S12-10V	06211	12-10	10	1.012	.354	50
S12-10V-L	06311	12-10	10	1.012	.311	50
S12-14V	06212	12-10	1/4	1.287	.354	50

CAT. NO.	UPC CODE	CTN. QTY.	WIRE SIZE	STUD SIZE	LENGTH	WIDTH
<b>SMALL PACKS</b>						
S22-6V-S	06221	25	22-18	6	.896	.224
S22-6V-L-S	78422	25	22-18	6	.768	.252
S22-6V-F-S	78424	25	22-18	6	.768	.303
S22-8V-S	06222	25	22-18	8	.862	.276
S22-8V-L-S	78426	25	22-18	8	.847	.280
S22-8V-F-S	78428	25	22-18	8	.768	.303
S22-10V-S	06223	25	22-18	10	.906	.378
S22-10V-L-S	78430	25	22-18	10	.885	.331
S22-10V-F-S	78432	25	22-18	10	.768	.303
S16-6V-S	06225	20	16-14	6	.839	.252
S16-6V-L-S	78434	20	16-14	6	.768	.252
S16-6V-F-S	78436	20	16-14	6	.768	.303
S16-8V-S	06226	20	16-14	8	.846	.315
S16-8V-L-S	78438	20	16-14	8	.846	.280
S16-8V-F-S	78440	20	16-14	8	.768	.303
S16-10V-S	06227	20	16-14	10	.846	.315
S16-10V-L-S	78442	20	16-14	10	.855	.331
S16-10V-F-S	78444	20	16-14	10	.768	.303
S12-6V-S	06229	15	12-10	6	1.012	.354
S12-6V-L-S	78446	15	12-10	6	1.012	.311
S12-8V-S	06230	15	12-10	8	1.012	.354
S12-8V-L-S	78448	15	12-10	8	1.012	.311
S12-10V-S	06231	15	12-10	10	1.012	.354
S12-10V-L-S	78450	15	12-10	10	1.012	.311
S12-10V-F-S	78452	15	12-10	10	1.012	.311
<b>STANDARD PACKS</b>						
S22-6V-D	06251	100	22-18	6	.896	.224
S22-6V-L-D	78423	100	22-18	6	.768	.252
S22-6V-F-D	78425	100	22-18	6	.768	.303
S22-8V-D	06252	100	22-18	8	.862	.276
S22-8V-L-D	78427	100	22-18	8	.847	.280
S22-8V-F-D	78429	100	22-18	8	.768	.303
S22-10V-D	06253	100	22-18	10	.906	.378
S22-10V-L-D	78431	100	22-18	10	.885	.331
S22-10V-F-D	78433	100	22-18	10	.768	.303
S16-6V-D	06255	85	16-14	6	.839	.252
S16-6V-L-D	78435	85	16-14	6	.768	.252
S16-6V-F-D	78437	85	16-14	6	.768	.303
S16-8V-D	06260	85	16-14	8	.846	.315
S16-8V-L-D	78439	85	16-14	8	.846	.280
S16-8V-F-D	78441	85	16-14	8	.768	.303
S16-10V-D	06257	85	16-14	10	.846	.315
S16-10V-L-D	78443	85	16-14	10	.855	.331
S16-10V-F-D	78445	85	16-14	10	.768	.303
S12-6V-D	06259	60	12-10	6	1.012	.354
S12-6V-L-D	78447	60	12-10	6	1.012	.311
S12-8V-D	06260	60	12-10	8	1.012	.354
S12-8V-L-D	78449	60	12-10	8	1.012	.311
S12-10V-D	06261	60	12-10	10	1.012	.354
S12-10V-L-D	78451	60	12-10	10	1.012	.311

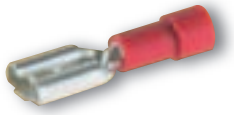
### VINYL-INSULATED RING TERMINALS



CAT. NO.	UPC CODE	WIRE SIZE	STUD SIZE	LENGTH	WIDTH	CTN. QTY.
R22-6V	06000	22-18	6	.831	.315	100
R22-8V	06001	22-18	8	.827	.315	100
R22-10V	06002	22-18	10	.827	.315	100
R22-14V	06003	22-18	1/4	1.008	.472	100
R22-56V	06004	22-18	5/16	1.028	.472	100
R22-38V	06005	22-18	3/8	1.217	.650	100
R16-6V	06006	16-14	6	.717	.256	100
R16-8V	06007	16-14	8	.846	.315	100
R16-10V	06008	16-14	10	.846	.315	100
R16-14V	06009	16-14	1/4	1.059	.472	100
R16-56V	06010	16-14	5/16	1.059	.472	100
R16-38V	06011	16-14	3/8	1.161	.590	50
R16-50V	06012	16-14	1/2	1.335	.748	50
R12-6V	06013	12-10	6	1.063	.374	50
R12-8V	06014	12-10	8	1.063	.374	50
R12-10V	06015	12-10	10	1.063	.374	50
R12-14V	06016	12-10	1/4	1.201	.472	50
R12-56V	06017	12-10	5/16	1.396	.591	40
R12-38V	06018	12-10	3/8	1.396	.591	40
R12-50V	06019	12-10	1/2	1.575	.756	40
R8-10V	06020	8	10	1.244	.472	25
R8-14V	06021	8	1/4	1.244	.472	25
R8-38V	06024	8	3/8	1.480	.591	25
R8-50V	06025	8	1/2	1.480	.591	25
R8-56V	06023	8	5/16	1.480	.591	25

# Miniterms

VINYL-INSULATED TERMINALS, PIGGYBACKS & CONNECTORS

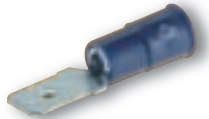


## VINYL-INSULATED FEMALE DISCONNECTS

Rated 75°C, 300V.

CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
F22-110-2V	06950	22-18	.110 x .020	100
F22-110-3V	06951	22-18	.110 x .032	100
F22-187-2V	06952	22-18	.187 x .020	100
F22-187-3V	06953	22-18	.187 x .032	100
F22-250-3V	06954	22-18	.250 x .032	100
F16-110-2V	06955	16-14	.110 x .020	100
F16-110-3V	06956	16-14	.110 x .032	100
F16-187-2V	06957	16-14	.187 x .020	100
F16-187-3V	06958	16-14	.187 x .032	100
F16-250-3V	06959	16-14	.250 x .032	100
F12-250-3V	06960	12-10	.250 x .032	50

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
F22-110-2V-S	07000	25	22-18	.110 x .020	F22-110-2V-D	07052	100
F22-187-2V-S	07002	25	22-18	.187 x .020	F22-187-2V-D	07053	100
F22-250-3V-S	07004	25	22-18	.250 x .032	F22-250-3V-D	07054	100
F16-110-2V-S	07005	25	16-14	.110 x .020	F16-110-2V-D	07055	100
F16-187-2V-S	07007	25	16-14	.187 x .020	F16-187-2V-D	07056	100
F16-250-3V-S	07009	25	16-14	.250 x .032	F16-250-3V-D	07059	100
F12-250-3V-S	07010	15	12-10	.250 x .032	F12-250-3V-D	07060	70
F8-250-3V-S	07015	6	8	.250 x .032	F8-250-3V-D	07016	25



## VINYL INSULATED MALE DISCONNECTS

Rated 75°C, 300V.

CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
M22-250-3V	06961	22-18	.250 x .032	100
M16-187-2V	06962	16-14	.187 x .020	100
M16-250-3V	06963	16-14	.250 x .032	100
M12-250-3V	06964	12-10	.250 x .032	50

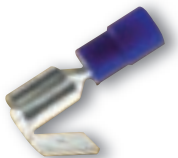
CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
M22-250-3V-S	07011	30	22-18	.250 x .032	M22-250-3V-D	07061	100
M16-187-2V-S	07012	30	16-14	.187 x .020	M16-187-2V-D	07062	100
M16-250-3V-S	07013	30	16-14	.250 x .032	M16-250-3V-D	07063	100
M12-250-3V-S	07014	25	12-10	.250 x .032	M12-250-3V-D	07064	70



## VINYL-INSULATED BUTT CONNECTORS

CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
B22-V	06750	22-18	1.004	100
B16-V	06751	16-14	1.004	50
B12-V	06752	12-10	1.063	50
B8-V	06753	8	1.450	25

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	LENGTH	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
B22-V-S	06760	25	22-18	1.004	B22-V-D	06770	100
B16-V-S	06761	20	16-14	1.004	B16-V-D	06771	80
B12-V-S	06762	15	12-10	1.004	B12-V-D	06772	50
B8-V-S	06763	5	8	1.450	B8-V-D	06773	20

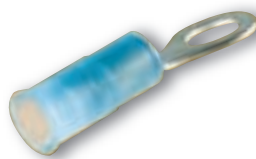


## VINYL-INSULATED PIGGYBACK

CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
P22-250-3V	07935	22-18	.250 x .032	50
P16-250-3V	07936	16-14	.250 x .032	50



Rated 600 volts, -40°C to 105°C. Other sizes and styles available. Please contact NSi for price and delivery on your requirements.



## NYLON-INSULATED SPADE TERMINALS <sup>c(UL)</sup>us

CAT. NO.	UPC CODE	WIRE SIZE	STUD SIZE	LENGTH	WIDTH	CTN. QTY.
S22-4N	07600	22-18	4	.846	.228	100
S22-6N	07601	22-18	6	.896	.224	100
S22-6N-L	07651	22-18	6	.768	.252	100
S22-6N-B	07771	22-18	6	.846	.244	100
S22-6N-F	07801	22-18	6	.768	.303	100
S22-8N	07602	22-18	8	.862	.276	100
S22-8N-L	07652	22-18	8	.847	.280	100
S22-8N-B	07772	22-18	8	.768	.303	100
S22-8N-F	07802	22-18	8	.768	.303	100
S22-10N	07603	22-18	10	.906	.378	100
S22-10N-L	07653	22-18	10	.885	.331	100
S22-10N-B	07773	22-18	10	.768	.303	100
S22-10N-F	07803	22-18	10	.768	.303	100
S22-14N	07604	22-18	1/4	1.004	.433	100
S16-6N	07605	16-14	6	.839	.252	100
S16-6N-L	07655	16-14	6	.768	.252	100
S16-6N-B	07775	16-14	6	.768	.303	100
S16-6N-F	07805	16-14	6	.768	.303	100
S16-8N	07606	16-14	8	.846	.315	100
S16-8N-L	07656	16-14	8	.846	.280	100
S16-8N-B	07776	16-14	8	.768	.303	100
S16-8N-F	07806	16-14	8	.768	.303	100
S16-10N	07607	16-14	10	.846	.315	100
S16-10N-L	07657	16-14	10	.855	.331	100
S16-10N-B	07777	16-14	10	.768	.303	100
S16-10N-F	07807	16-14	10	.768	.303	100
S16-14N	07608	16-14	1/4	1.004	.472	100
S12-6N	07609	12-10	6	1.012	.354	50
S12-6N-L	07659	12-10	6	1.012	.311	50
S12-8N	07610	12-10	8	1.012	.354	50
S12-8N-L	07660	12-10	8	1.012	.311	50
S12-10N	07611	12-10	10	1.012	.354	50
S12-10N-L	07661	12-10	10	1.012	.311	50
S12-14N	07612	12-10	1/4	1.287	.354	50
S8-10N	07832	8	10	1.264	.472	25
S8-14N	07833	8	1/4	1.264	.472	25

## NYLON-INSULATED RING TERMINALS <sup>c(UL)</sup>us

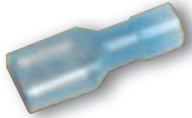
CAT. NO.	UPC CODE	WIRE SIZE	STUD SIZE	LENGTH	WIDTH	CTN. QTY.
R22-6N	07300	22-18	6	.831	.315	100
R22-8N	07301	22-18	8	.827	.315	100
R22-10N	07302	22-18	10	.827	.315	100
R22-14N	07303	22-18	1/4	1.008	.472	100
R22-56N	07304	22-18	5/16	1.025	.472	100
R22-38N	07305	22-18	3/8	1.217	.650	100
R16-6N	07306	16-14	6	.717	.256	100
R16-8N	07307	16-14	8	.846	.315	100
R16-10N	07308	16-14	10	.846	.315	100
R16-14N	07309	16-14	1/4	1.059	.472	100
R16-56N	07310	16-14	5/16	1.059	.472	100
R16-38N	07311	16-14	3/8	1.161	.590	50
R16-50N	07312	16-14	1/2	1.335	.748	50
R12-6N	07313	12-10	6	1.063	.374	50
R12-8N	07314	12-10	8	1.063	.374	50
R12-10N	07315	12-10	10	1.063	.374	50
R12-14N	07316	12-10	1/4	1.201	.472	50
R12-56N	07317	12-10	5/16	1.398	.591	40
R12-38N	07318	12-10	3/8	1.398	.591	40
R12-50N	07319	12-10	1/2	1.575	.756	40
R8-10N	07320	8	10	1.244	.472	25
R8-14N	07321	8	1/4	1.244	.472	25
R8-56N	07322	8	5/16	1.480	.591	25
R8-38N	07323	8	3/8	1.480	.591	25
R6-14N	07324	6	1/4	1.535	.472	15
R6-56N	07325	6	5/16	1.732	.630	15
R6-38N	07326	6	3/8	1.732	.630	15
R6-50N	07327	6	1/2	2.028	.866	15
R4-14N	07328	4	1/4	1.803	.649	15
R4-56N	07329	4	5/16	1.803	.649	15
R4-38N	07330	4	3/8	1.921	.689	15
R4-50N	07331	4	1/2	2.157	.866	15
R2-14N	07332	2	1/4	2.086	.602	10
R2-56N	07333	2	5/16	2.086	.602	10
R2-38N	07334	2	3/8	2.086	.602	10
R2-50N	07335	2	1/2	2.216	.866	10

SMALL PACKS							STANDARD PACKS		
R8-10N-S	07276	7	8	10	1.244	.472	R8-10N-D	07277	25
R8-14N-S	07278	7	8	1/4	1.244	.472	R8-14N-D	07279	25
R8-56N-S	07280	7	8	5/16	1.480	.591	R8-56N-D	07281	25
R8-38N-S	07282	7	8	3/8	1.480	.591	R8-38N-D	07283	25
R6-14N-S	07284	4	6	1/4	1.535	.472	R6-14N-D	07285	15
R6-56N-S	07286	4	6	5/16	1.732	.630	R6-56N-D	07287	15

Rated 600 volts, -40°C to 105°C.

# Miniterms

## NYLON-INSULATED DISCONNECTS - MALE & FEMALE



### FULLY NYLON INSULATED FEMALE DISCONNECTS

Rated 105°C, 300V.

CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
IF22-110-2N	07900	22-18	.110 x .020	50
IF22-110-3N	07901	22-18	.110 x .032	50
IF22-187-2N	07902	22-18	.187 x .020	50
IF22-187-3N	07903	22-18	.187 x .032	50
IF22-250-3N	07904	22-18	.250 x .032	50
IF16-187-2N	07905	16-14	.187 x .020	50
IF16-187-3N	07906	16-14	.187 x .032	50
IF16-250-3N	07907	16-14	.250 x .032	50
IF12-250-3N	07911	12-10	.250 x .032	50

CATALOG NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CATALOG NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
IF22-110-2N-S	07703	20	22-18	.110 x .020	IF22-110-2N-D	07704	80
IF22-187-2N-S	07705	20	22-18	.187 x .020	IF22-187-2N-D	07706	80
IF22-250-3N-S	07759	20	22-18	.250 x .032	IF22-250-3N-D	07707	80
IF16-187-2N-S	07708	20	16-14	.187 x .020	IF16-187-2N-D	07709	80
IF16-250-3N-S	07710	20	16-14	.250 x .032	IF16-250-3N-D	07711	80
IF16-250-3N-IG-S	07712	10	16-14*	.250 x .032	IF16-250-3N-IG-D	07713	30
IF12-250-3N-S	07714	12	12-10	.250 x .032	IF12-250-3N-D	07715	50
IFIM16-250-3N-S	07716	20	16-14**	.250 x .032	IFIM16-250-3N-D	07717	80

\*with insulation grip, vinyl insulated

\*\*combination pack with equal number of male and female disconnects



### FULLY NYLON INSULATED MALE DISCONNECTS

Rated 105°C, 300V.

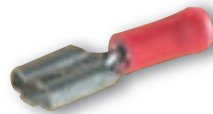
CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
IM22-250-3N	07908	22-18	.250 x .032	50
IM16-250-3N	07909	16-14	.250 x .032	50
IM12-250-3N	07910	12-10	.250 x .032	50

CATALOG NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CATALOG NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
IM22-250-3N-S	07718	20	22-18	.250 x .032	IM22-250-3N-D	07719	80
IM16-250-3N-S	07720	20	16-14	.250 x .032	IM16-250-3N-D	07721	80
IM12-250-3N-S	07722	12	12-10	.250 x .032	IM12-250-3N-D	07723	50



### NYLON-INSULATED MALE

CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
M22-250-3N	07111	22-18	.250 x .032	100
M16-187-2N	07112	16-14	.187 x .020	100
M16-250-3N	07113	16-14	.250 x .032	100
M12-250-3N	07114	12-10	.250 x .032	50



### NYLON-INSULATED FEMALE

CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
F22-110-2N	07100	22-18	.110 x .020	100
F22-110-3N	07101	22-18	.110 x .032	100
F22-187-2N	07102	22-18	.187 x .020	100
F22-187-3N	07103	22-18	.187 x .032	100
F22-250-3N	07104	22-18	.250 x .032	100
F16-110-2N	07105	16-14	.110 x .020	100
F16-110-3N	07106	16-14	.110 x .032	100
F16-187-2N	07107	16-14	.187 x .020	100
F16-187-3N	07108	16-14	.187 x .032	100
F16-250-3N	70109	16-14	.250 x .032	100
F12-250-3N	07110	12-10	.250 x .032	50



### NYLON FEMALE PLUG DISCONNECTS

CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
PF22-157N	08010	22-18	1.154	50
PF16-157N	08011	16-14	1.154	50



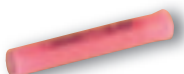
### FLAG TERMINAL: NYLON-INSULATED

CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
IFL12-250-3N	07912	12-10	.250 x .032	50



### NYLON MALE PLUG DISCONNECTS

CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
PM22-157N	08040	22-18	.906	100
PM16-157N	08041	16-14	.906	100
PM16-197N	08042	16-14	.906	100



### NYLON-INSULATED BUTT CONNECTORS

CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
B22-N	07960	22-18	1.004	100
B16-N	07961	16-14	1.004	50
B12-N	07962	12-10	1.063	50



### FULLY NYLON-INS. FEMALE-SLEEVED BARREL

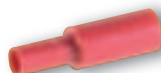
CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
IFS22-110-2N	07920	22-18	.110 x .020	50
IFS22-110-3N	07921	22-18	.110 x .032	50
IFS22-250-3N	07922	22-18	.250 x .032	50
IFS16-250-3N	07923	16-14	.250 x .032	50
IFS12-250-3N	07924	12-10	.250 x .032	50

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	LENGTH	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
PF22-157N-S	07690	15	22-18	1.154	PF22-157N-D	07691	70
PF16-157N-S	07692	15	16-14	1.154	PF16-157N-D	07693	70

### FLAG TERMINALS: UNINSULATED AND NYLON INSULATED

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS			UNINSULATED		STANDARD PACKS		
SF22-250-3-S	07733	25	22-18	.250 x .032	SF22-250-3-D	07734	100
SF16-187-2-S	07735	20	16-14	.187 x .020	SF16-187-2-D	07736	80
SF16-250-3-S	07737	20	16-14	.250 x .032	SF16-250-3-D	07738	80
SF12-250-3-S	08103	15	12-10	.250 x .032	SF12-250-3-D	07739	70
NYLON INSULATED							
IFL12-250-3N-S	07913	12	12-10	.250 x .032	IFL12-250-3N-D	07740	50

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	LENGTH	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
PM22-157N-S	07694	15	22-18	.906	PM22-157N-D	07695	70
PM16-157N-S	07696	15	16-14	.906	PM16-157N-D	07697	70

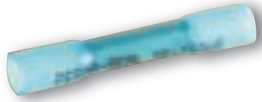


### NYLON-SLEEVED FEMALE PLUG DISCONNECTS

CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
PFS22-157N	08020	22-18	1.154	50
PFS16-157N	08021	16-14	1.154	50
PFS16-197N	08022	16-14	1.154	50

# Miniterms

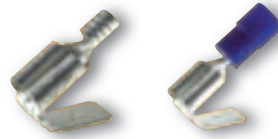
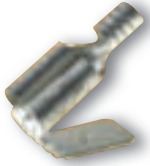
SHRINK-TUBE BUTT CONNECTORS, ALLIGATOR CLIPS, PIGGYBACKS & PIN TERMINALS



## SHRINK-TUBE BUTT CONNECTORS

CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
SB22	07980	22-18	.591	25
SB16	07981	16-14	.591	25
SB12	07982	12-10	.591	25

CATALOG NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CATALOG NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
SB22-S	78454	4	22-18	.591	SB22-D	78455	12
SB16-S	78456	4	16-14	.591	SB16-D	78457	12
SB12-S	78458	3	12-10	.591	SB12-D	78459	10



## PIGGYBACKS: UNINSULATED AND VINYL-INSULATED

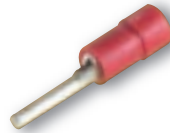
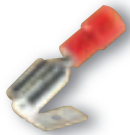
CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
P22-250-3	07930	22-18	.650	50
P16-250-3	07931	16-14	.650	50

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS			UNINSULATED		STANDARD PACKS		
P22-250-3-S	07724	25	22-18	.650	P22-250-3-D	07725	100
P16-250-3-S	07729	25	16-14	.650	P16-250-3-D	07726	100
VINYL INSULATED							
P22-250-3V-S	07727	15	22-18	.250 x .032	P22-250-3V-D	07728	70
P16-250-3V-S	07729	15	16-14	.250 x .032	P16-250-3V-D	07730	70
P12-250-3V-S	07731	12	12-10	.250 x .032	P12-250-3V-D	07732	50

## ALLIGATOR TEST CLIPS



CATALOG NO.	UPC CODE	FIG. NO.	DESCRIPTION	PACKAGING		SHPG.WT. LBS./100
				BAG	CARTON	
ATC-1R	92101	1	2 inch alligator clip with vinyl boot – red	10	100	2
ATC-1B	92102	1	2 inch alligator clip with vinyl boot – black	10	100	2
ATC-2R	92103	2	2 inch screw type alligator clip with molded handle – red	10	100	2
ATC-2B	92104	2	2 inch screw type alligator clip with molded handle – black	10	100	2
ATC-3R	92105	3	10 amp. battery clip with molded vinyl boot – red	10	100	3
ATC-3B	92106	3	10 amp. battery clip with molded vinyl boot – black	10	100	3



## NYLON-INSULATED PIGGYBACK

CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
P22-250-3N	07940	22-18	.250 x .032	50
P16-250-3N	07941	16-14	.250 x .032	50

## VINYL-INSULATED PIN TERMINALS

CAT. NO.	UPC CODE	WIRE SIZE	CTN. QTY.
PT-22V	07985	22-18	100
PT-16V	07986	16-14	100
PT-12V	07987	12-10	50



### CLOSED END CONNECTORS

CAT. NO.	UPC CODE	WIRE SIZE	L	W	QTY/PK
C22-N-D*	06820	22-18	.228	.244	100
C16-N-D*	06821	16-14	.256	.272	100
C12-N-D*	06822	12-10	.293	.282	65
C8-N-D	06823	8	.453	.323	40

\* See Easy-Twist™ Catalog for Bulk and Loose

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	L	W	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS					STANDARD PACKS			
C22-N-S	06810	25	22-18	.228	.244	C22-N-D	06820	100
C16-N-S	06811	25	16-14	.256	.272	C16-N-D	06821	100
C12-N-S	06812	15	12-10	.293	.282	C12-N-D	06822	65
C8-N-S	06813	10	8	.453	.323	C8-N-D	06823	40

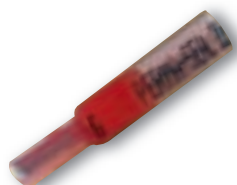


### PLIER TAP CONNECTORS

CAT. NO.	UPC CODE	WIRE SIZE	CTN. QTY.
PTC22-18	07990	22-18	25
PTC16-14	07991	16-14	25
PTC12-10	07992	12-10	25

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS			STANDARD PACKS			
PTC22-18-S	07666	8	22-18	PTC22-18-D	07667	25
PTC1814-250-S	07668	6	18-14*	PTC1814-250-D	07669	6
PTC16-14-S	07670	8	16-14	PTC16-14-D	07671	25
PTC12-10-S	07672	8	12-10	PTC12-10-D	07673	25

\*c/w .250 female disconnect



### SHRINK-TUBE DISCONNECTS

CATALOG NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	TYPE	CATALOG NO.	UPC CODE	QTY/ PK
SMALL PACKS					STANDARD PACKS			
HSF22-250-3-S	78460	3	22-18	.250-.032	female	HSF22-250-3-D	78461	12
HSF16-250-3-S	78462	3	16-14	.250-.032	female	HSF16-250-3-D	78463	12
HSF12-250-3-S	78464	3	12-10	.250-.032	female	HSF12-250-3-D	78465	12
HSM16-250-3-S	78466	3	16-14	.250-.032	male	HSM16-250-3-D	78467	12



### 2-WAY RECEPTACLE FOR .157 MALE

CAT. NO.	UPC CODE	CTN. QTY.
DFR-157N	08043	25



### VINYL INSULATED HOOKS

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	STUD SIZE	CATALOG NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
H22-8V-S	07678	15	22-18	8	H22-8V-D	07679	60
H16-8V-S	07680	15	16-14	8	H16-8V-D	07681	60

# Miniterms

## UNINSULATED DISCONNECTS & PLUGS



### UNINSULATED FEMALE DISCONNECTS <sup>c(UL)</sup>us

CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
F22-110-2	06900	22-18	.110 x .020	100
F22-110-3	06901	22-18	.110 x .032	100
F22-187-2	06902	22-18	.187 x .020	100
F22-187-3	06903	22-18	.187 x .032	100
F22-250-3	06904	22-18	.250 x .032	100
F16-110-2	06905	16-14	.110 x .020	100
F16-110-3	06906	16-14	.110 x .032	100
F16-187-2	06907	16-14	.187 x .020	100
F16-187-3	06908	16-14	.187 x .032	100
F16-250-3	06909	16-14	.250 x .032	100
F12-250-3	06910	12-10	.250 x .032	50

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
F22-110-2-S	78468	30	22-18	.110 x .020	F22-110-2-D	78469	125
F22-187-2-S	78470	30	22-18	.187 x .020	F22-187-2-D	78471	125
F22-250-3-S	78472	30	22-18	.250 x .032	F22-250-3-D	78473	125
F16-110-2-S	78474	30	16-14	.110 x .020	F16-110-2-D	78475	125
F16-187-2-S	78476	30	16-14	.187 x .020	F16-187-2-D	78477	125
F16-250-3-S	07762	30	16-14	.250 x .032	F16-250-3-D	78479	125
F16-250-3-IG-S	78480	25	16-14*	.250 x .032	F16-250-3-IG-D	78481	100
F12-250-3-S	78482	25	12-10	.250 x .032	F12-250-3-D	78483	100
F8-250-3-S	78484	10	8	.250 x .032	F8-250-3-D	78485	30

\*with insulation grip



### UNINSULATED MALE PLUGS .157 DIA. <sup>c(UL)</sup>us

CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
PM22-157	08030	22-18	0.689	100
PM16-157	08031	16-14	0.689	100
PM16-197	08032	16-14	0.689	100

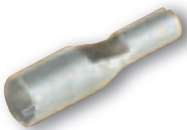
CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	LENGTH	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
PM22-157-S	07686	25	22-18	.689	PM22-157-D	07687	100
PM16-157-S	07688	25	16-14	.689	PM16-157-D	07689	100



### UNINSULATED MALE DISCONNECTS <sup>c(UL)</sup>us

CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
M22-250-3	06911	22-18	.250 x .032	100
M16-187-2	06912	16-14	.187 x .020	100
M16-250-3	06913	16-14	.250 x .032	100
M12-250-3	06914	12-10	.250 x .032	50

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
M22-250-3-S	78486	30	22-18	.250 x .032	M22-250-3-D	78487	125
M16-187-2-S	78488	30	16-14	.187 x .020	M16-187-2-D	78489	125
M16-250-3-S	78490	30	16-14	.250 x .032	M16-250-3-D	78491	125
M12-250-3-S	78492	25	12-10	.250 x .032	M12-250-3-D	78493	100



### UNINSULATED FEMALE PLUGS .157 DIA. <sup>c(UL)</sup>us

CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
PF22-157	08000	22-18	.630	100
PF16-157	08001	16-14	.630	100
PF16-197	08002	16-14	.630	100

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	LENGTH	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
PF22-157-S	07682	25	22-18	.630	PF22-157-D	07683	100
PF16-157-S	07684	25	16-14	.630	PF16-157-D	07685	100



Other sizes and styles available. Please contact NSi for price and delivery on your requirements. Rated 600 volts, 149°C.

### UNINSULATED RING TERMINALS c(UL)US

CAT. NO.	UPC CODE	WIRE SIZE	STUD SIZE	LENGTH	WIDTH	CTN. QTY.
R22-6	07200	22-18	6	.614	.315	100
R22-8	07201	22-18	8	.614	.315	100
R22-10	07202	22-18	10	.614	.315	100
R22-14	07203	22-18	1/4	.795	.472	100
R22-56	07204	22-18	5/16	.795	.472	100
R22-38	07205	22-18	3/8	.984	.650	100
R16-6	07206	16-14	6	.500	.256	100
R16-8	07207	16-14	8	.630	.315	100
R16-10	07208	16-14	10	.630	.315	100
R16-14	07209	16-14	1/4	.846	.472	100
R16-56	07210	16-14	5/16	.846	.472	100
R16-38	07211	16-14	3/8	.965	.590	50
R16-50	07212	16-14	1/2	1.122	.748	50
R12-6	07213	12-10	6	.768	.374	50
R12-8	07214	12-10	8	.768	.374	50
R12-10	07215	12-10	10	.768	.374	50
R12-14	07216	12-10	1/4	.906	.472	50
R12-56	07217	12-10	5/16	1.102	.591	40
R12-38	07218	12-10	3/8	1.102	.591	40
R12-50	07219	12-10	1/2	1.280	.756	40
R8-10	07220	8	10	.925	.472	25
R8-14	07221	8	1/4	.925	.472	25
R8-56	07222	8	5/16	1.161	.591	25
R8-38	07223	8	3/8	1.161	.591	25
R6-14	07224	6	1/4	1.083	.472	15
R6-56	07225	6	5/16	1.280	.630	15
R6-38	07226	6	3/8	1.280	.630	15
R6-50	07227	6	1/2	1.626	.866	15
R4-14	07228	4	1/4	1.311	.649	15
R4-56	07229	4	5/16	1.311	.649	15
R4-38	07230	4	3/8	1.429	.689	15
R4-50	07231	4	1/2	1.665	.866	15
R2-14	07232	2	1/4	1.535	.602	10
R2-56	07233	2	5/16	1.535	.602	10
R2-38	07234	2	3/8	1.535	.602	10
R2-50	07235	2	1/2	1.665	.866	10

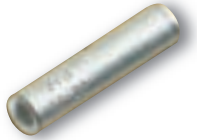
  

CAT. NO.	UPC CODE	WIRE SIZE	STUD SIZE	LENGTH	WIDTH	CTN. QTY.
<b>SMALL PACKS</b>						
R22-6-S	07236	22-18	6	.614	.315	30
R22-8-S	07237	22-18	8	.614	.315	30
R22-10-S	07238	22-18	10	.614	.315	30
R22-14-S	07239	22-18	1/4	.795	.472	25
R22-56-S	07240	22-18	5/16	.795	.472	25
R22-38-S	07241	22-18	3/8	.984	.650	20
R16-6-S	07242	16-14	6	.500	.256	30
R16-8-S	07243	16-14	8	.630	.315	30
R16-10-S	07244	16-14	10	.630	.315	30
R16-14-S	07245	16-14	1/4	.846	.472	25
R16-56-S	07246	16-14	5/16	.846	.472	25
R16-38-S	07247	16-14	3/8	.965	.590	20
R16-50-S	07248	16-14	1/2	1.122	.748	15
R12-6-S	07249	12-10	6	.768	.374	20
R12-8-S	07250	12-10	8	.768	.374	20
R12-10-S	07251	12-10	10	.768	.374	20
R12-14-S	07252	12-10	1/4	.906	.472	20
R12-56-S	07253	12-10	5/16	1.102	.591	15
R12-38-S	07254	12-10	3/8	1.102	.591	15
R12-50-S	07255	12-10	1/2	1.280	.756	12
<b>STANDARD PACKS</b>						
R22-6-D	07256	22-18	6	.614	.315	125
R22-8-D	07257	22-18	8	.614	.315	125
R22-10-D	07258	22-18	10	.614	.315	125
R22-14-D	07259	22-18	1/4	.795	.472	100
R22-56-D	07260	22-18	5/16	.795	.472	100
R22-38-D	07261	22-18	3/8	.984	.650	80
R16-6-D	07262	16-14	6	.500	.256	125
R16-8-D	07263	16-14	8	.630	.315	125
R16-10-D	07264	16-14	10	.630	.315	125
R16-14-D	07265	16-14	1/4	.846	.472	100
R16-56-D	07266	16-14	5/16	.846	.472	100
R16-38-D	07267	16-14	3/8	.965	.590	80
R16-50-D	07268	16-14	1/2	1.122	.748	60
R12-6-D	07269	12-10	6	.768	.374	80
R12-8-D	07270	12-10	8	.768	.374	80
R12-10-D	07271	12-10	10	.768	.374	80
R12-14-D	07272	12-10	1/4	.906	.472	80
R12-56-D	07273	12-10	5/16	1.102	.591	60
R12-38-D	07274	12-10	3/8	1.102	.591	60
R12-50-D	07275	12-10	1/2	1.280	.756	50

# Miniterms

## UNINSULATED TERMINALS & CONNECTORS

### UNINSULATED BUTT CONNECTORS



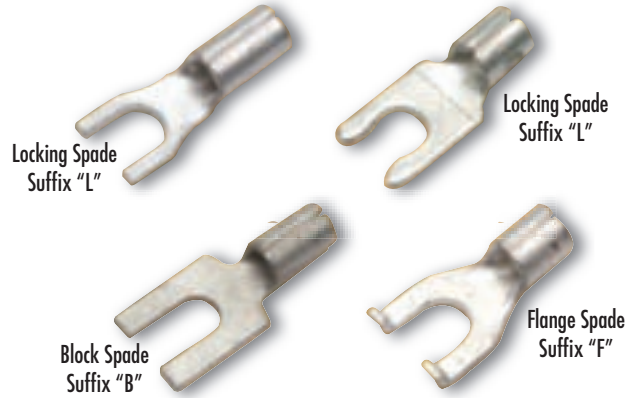
Other sizes and styles available. Please contact NSi for price and delivery on your requirements. Rated 600 volts, 149°C.

CAT. NO.	UPC CODE	WIRE SIZE	TAB SIZE	CTN. QTY.
B22	07950	22-18	.591	100
B16	07951	16-14	.591	50
B12	07952	12-10	.591	50
B8	07953	8	.827	25

CAT. NO.	UPC CODE	WIRE SIZE	LENGTH	CTN. QTY.
<b>SMALL PACKS</b>				
B22-S	07741	22-18	.591	30
B16-S	07743	16-14	.591	25
B12-S	07745	12-10	.591	15
B8-S	07747	8	.827	6
<b>STANDARD PACKS</b>				
B22-D	07742	22-18	.591	125
B16-D	07744	16-14	.591	100
B12-D	07746	12-10	.591	65
B8-D	07748	8	.827	25





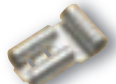
### UNINSULATED SPADE TERMINALS






CAT. NO.	UPC CODE	WIRE SIZE	STUD SIZE	LENGTH	WIDTH	CTN. QTY.
S22-4	07400	22-18	4	.630	.228	100
S22-6	07401	22-18	6	.630	.224	100
S22-6-L	07451	22-18	6	.551	.252	100
S22-6-B	07501	22-18	6	.630	.244	100
S22-6-F	07551	22-18	6	.531	.303	100
S22-8	07402	22-18	8	.646	.276	100
S22-8-L	07452	22-18	8	.630	.280	100
S22-8-B	07502	22-18	8	.551	.303	100
S22-8-F	07552	22-18	8	.551	.303	100
S22-10	07403	22-18	10	.689	.378	100
S22-10-L	07453	22-18	10	.669	.331	100
S22-10-B	07503	22-18	10	.551	.303	100
S22-10-F	07553	22-18	10	.551	.303	100
S22-14	07404	22-18	1/4	.787	.433	100
S16-6	07405	16-14	6	.622	.252	100
S16-6-L	07455	16-14	6	.551	.252	100
S16-6-B	07505	16-14	6	.551	.303	100
S16-6-F	07555	16-14	6	.551	.303	100
S16-8	07406	16-14	8	.630	.315	100
S16-8-L	07456	16-14	8	.630	.280	100
S16-8-B	07506	16-14	8	.551	.303	100
S16-8-F	07556	16-14	8	.551	.303	100
S16-10	07407	16-14	10	.630	.315	100
S16-10-L	07457	16-14	10	.669	.331	100
S16-10-B	07507	16-14	10	.551	.303	100
S16-10-F	07557	16-14	10	.551	.303	100
S16-14	07408	16-14	1/4	.787	.472	100
S12-6	07409	12-10	6	.717	.354	50
S12-6-L	07459	12-10	6	.717	.311	50
S12-8	07410	12-10	8	.717	.354	50
S12-8-L	07460	12-10	8	.717	.311	50
S12-10	07411	12-10	10	.717	.354	50
S12-10-L	07461	12-10	10	.717	.311	50
S12-14	07412	12-10	1/4	.992	.354	50
S8-10	07830	8	10	.945	.472	25
S8-14	07831	8	1/4	.945	.472	25



CAT. NO.	UPC CODE	CTN. QTY.	CAT. NO.	UPC CODE	CTN. QTY.	WIRE SIZE	STUD SIZE	L	W
<b>SMALL PACKS</b>			<b>STANDARD PACKS</b>						
S22-6-S	78374	30	S22-6-D	78375	125	22-18	6	.630	.224
S22-6-L-S	78376	30	S22-6-L-D	78377	125	22-18	6	.551	.252
S22-6-F-S	78378	30	S22-6-F-D	78379	125	22-18	6	.531	.303
S22-8-S	78380	30	S22-8-D	78381	125	22-18	8	.646	.276
S22-8-L-S	78382	30	S22-8-L-D	78383	125	22-18	8	.630	.280
S22-8-F-S	78384	30	S22-8-F-D	78385	125	22-18	8	.551	.303
S22-10-S	78386	30	S22-10-D	78387	125	22-18	10	.689	.378
S22-10-L-S	78388	30	S22-10-L-D	78389	125	22-18	10	.669	.331
S22-10-F-S	78390	30	S22-10-F-D	78391	125	22-18	10	.551	.303
S16-6-S	78392	25	S16-6-D	78393	100	16-14	6	.622	.252
S16-6-L-S	78394	25	S16-6-L-D	78395	100	16-14	6	.551	.252
S16-6-F-S	78396	25	S16-6-F-D	78397	100	16-14	6	.551	.303
S16-8-S	78398	25	S16-8-D	78399	100	16-14	8	.630	.315
S16-8-L-S	78400	25	S16-8-L-D	78401	100	16-14	8	.630	.280
S16-8-F-S	78402	25	S16-8-F-D	78403	100	16-14	8	.551	.303
S16-10-S	78404	25	S16-10-D	78405	100	16-14	10	.630	.315
S16-10-L-S	78406	25	S16-10-L-D	78407	100	16-14	10	.669	.331
S16-10-F-S	78408	25	S16-10-F-D	78409	100	16-14	10	.551	.303
S12-6-S	78410	20	S12-6-D	78411	75	12-10	6	.717	.354
S12-6-L-S	78412	20	S12-6-L-D	78413	75	12-10	6	.717	.311
S12-8-S	78414	20	S12-8-D	78415	75	12-10	8	.717	.354
S12-8-L-S	78416	20	S12-8-L-D	78417	75	12-10	8	.717	.311
S12-10-S	78418	20	S12-10-D	78419	75	12-10	10	.717	.354
S12-10-L-S	78420	20	S12-10-L-D	78421	75	12-10	10	.717	.311

## SPECIALTY CONNECTORS

	CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.
	250-3MFM	08050	.250 x .032 male/female adapter	100
	250-3-Z	08052	.250 x .032 male/female adapter	100
	FCT12-250-3	07919	.250 x .032 male/female adapter	50
	DMT-250-3	08053	.250 x .032 male/female adapter	100
	SF16-187-2	08100	.187 x .020 16 AWG female flag	100
	SF16-250-3	08101	.250 x .032 16 AWG female flag	100
	SF12-250-3	08102	.250 x .032 12 AWG female flag	100

	CAT. NO.	UPC CODE	QTY/ PK	DESCRIPTION	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS					STANDARD PACKS		
	FCT12-250-3-S	07928	10	.250 x .032, 12-8 AWG compressor terminal	FCT12-250-3-D	06170	35
	FCT18-250-3-S	06171	7	.250 x .032, 18-12 AWG compressor terminal	FCT18-250-3-D	06172	25
	250-3MFM-S	07764	15	.250 x .032 male/female adapters	250-3MFM-D	06157	60
	250-3-Z-S	06158	12	.250 x .032 male/female adapters	250-3-Z-D	06159	50
	DMT250-3-S	08054	15	.250 x .032 male/female adapters	DMT250-3-D	06160	60
	MMF250-3-S	06161	12		MMF250-3-D	06162	50

# Miniterms

HIGH TEMPERATURE DISCONNECTS, PIGGYBACKS, SPADES & SPECIALTY PARTS



Rated up to 900°F

## HIGH TEMPERATURE FEMALE DISCONNECTS

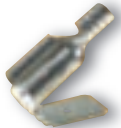
CATALOG NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CATALOG NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
HTF16-187-2-S	06130	15	16-14	.187 x .020	HTF16-187-2-D	06131	60
HTF16-250-3-S	06132	15	16-14	.250 x .032	HTF16-250-3-D	06133	60
HTF12-250-3-S	07677	15	12-10	.250 x .032	HTF12-250-3-D	06134	50
HTF12-250-3-IG-S	06135	10	12-10*	.250 x .032	HTF12-250-3-IG-D	06136	35
HTF8-250-3-S	06137	15	8	.250 x .032	HTF8-250-3-D	06138	50

\*with insulation grip



## HIGH TEMPERATURE MALE DISCONNECTS

CATALOG NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CATALOG NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
HTM16-187-3-S	06139	15	16-14	.187 x .020	HTM16-187-3-D	06140	60
HTM16-250-3-S	06141	15	16-14	.250 x .032	HTM16-250-3-D	06142	60
HTM12-250-3-S	06143	12	12-10	.250 x .032	HTM12-250-3-D	06144	50



## HIGH TEMPERATURE PIGGYBACKS

CATALOG NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CATALOG NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
HTP16-250-3-S	06145	15	16-14	.250 x .032	HTP16-250-3-D	06146	60



## HIGH TEMPERATURE SPADES

CATALOG NO.	UPC CODE	QTY/ PK	WIRE SIZE	STUD SIZE	CATALOG NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
HTS16-10-S	06147	20	16-14	10	HTS16-10-D	06148	80
HTS12-10-S	06149	15	12-10	10	HTS12-10-D	06150	60

## HIGH TEMPERATURE SPECIALTY PARTS

CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.
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HTSF12-250-3*	07914	.250 x .032 12 - 10 AWG female flag disconnect	50
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CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.
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HTM16-187-2*	07916	.187 x .020 16 - 14 AWG male disconnect	100
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HTM12-250-3*	07917	.250 x .032 12 - 10 AWG male disconnect	
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HTF12-250-3*	07915	.250 x .032 12 - 10 AWG female disconnect	50
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HTP16-250-3*	07918	.250 x .032 16 - 14 AWG combination male/ female disconnect	50
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# Attractive Display Packs



\*Nickel-plated steel alloy performs well in ambient operating temperature ranges of up to 900° (483°C).

# Available for Merchandising

### Increase Your Impulse Sales and Profits!

All items are priced the same and sold on a "per package" basis for ease of handling at the counter. Display boards are provided free of charge with minimal opening order.

Wall display is 23.5" high and 20" wide.

Ordering information  
is with each  
catalog number



### HIGH TEMPERATURE FEMALE FLAGS <sup>c(UL)</sup>us

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
HTSF16-250-3-S	06117	15	16-14	.250 x .032	HTSF16-250-3-D	06120	60
HTSF12-250-3-S	07926	12	12-10	.250 x .032	HTSF12-250-3-D	06121	50
HTSF8-250-3-S	06122	6	8	.250 x .032	HTSF8-250-3-D	06123	25



### HIGH TEMPERATURE BUTT CONNECTORS <sup>c(UL)</sup>us

CAT. NO.	UPC CODE	QTY/ PK	WIRE SIZE	TAB SIZE	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS			
HTB22-S	06124	22-18	.591	.250 x .032	HTB22-D	06125	100
HTB16-S	06126	16-14	.591	.250 x .032	HTB16-D	06127	80
HTB12-S	06128	12-10	.591	.250 x .032	HTB12-D	06129	60



These nickel-plated steel alloy ring terminals are designed to perform in ambient operating temperature ranges of up to 900°F (483°C).

### HIGH TEMPERATURE RING TERMINALS <sup>c(UL)</sup>us

Rated up to 900°F

CAT. NO.	UPC CODE	WIRE SIZE	STUD SIZE	L	W	CTN. QTY.	CAT. NO.	UPC CODE	QTY/ PK
SMALL PACKS				STANDARD PACKS					
HTR22-6	08500	22-18	6	.660	.264	100	HTR22-6-S	06026	25
HTR22-8	08501	22-18	8	.660	.264	100	HTR22-8-S	06028	25
HTR22-10	08502	22-18	10	.670	.283	100	HTR22-10-S	06030	25
HTR16-6	08510	16-14	6	.730	.322	100	HTR16-6-S	06040	25
HTR16-8	08511	16-14	8	.730	.322	100	HTR16-8-S	06033	25
HTR16-10	08512	16-14	10	.730	.322	100	HTR16-10-S	06042	25
HTR12-8	08520	12-10	8	.785	.385	50	HTR16-14-S	06036	20
HTR12-10	08521	12-10	10	.785	.385	50	HTR12-8-S	06043	15
HTR12-14	08522	12-10	1/4	.952	.540	50	HTR12-10-S	06044	15
							HTR12-14-S	06045	12

### SPECIALTY CONNECTORS <sup>c(UL)</sup>us

CAT. NO.	UPC CODE	QTY/ PK	DESCRIPTION	CAT. NO.	UPC CODE	QTY/ PKT
SMALL PACKS			STANDARD PACKS			
MB-250-3N-S	06163	6	.250 x .032 nylon insulated male butt connector	MB-250-3N-D	06164	25
FR16-10-S	06151	25	Flat Ring #10 Stud	FR16-10-D	06152	100
FR12-10-S	06153	25		FR12-10-D	06154	100
M250S-8-S	06155	8	male spade with #8 stud	M250S-8-D	06156	30

# Miniterms

## MINITERM KITS



These kits have been carefully designed to include the most popular NSi miniterm terminals. The cases are made of extremely durable polypropylene. They provide the ultimate in organization and convenience. Clearly labeled on the inside lid for easy recognition. Convenient size for easy carrying and easy storing. Reusable.

### MINITERM DELUXE KIT IN HEAVY DUTY CASE/175 PIECE ECONOMY KIT WITH TOOL <sup>c</sup>UL<sub>us</sub>

CAT. NO.	UPC CODE	KIT CONTENTS						CTN. QTY.	SHPG.WT. LBS./100
MTK	08600	40	R22-6V	40	F22-250-3V	40	S22-6V	12	3
		40	R22-10V	35	F16-250-3V	40	S22-10V		
		30	R16-6V	20	F12-250-3V	25	S16-6V		
		30	R16-10V	35	B22-V	25	S16-10V		
		20	R12-8V	25	B16-V	15	S12-8V		
		20	R12-14V	15	B12-V	12	S12-14V		
MTK-2	08601	10	R22-6V	10	S22-8V	10	B22-V	12	1
		10	R22-8V	10	S22-10V	10	B16-V		
		10	R22-10V	10	S16-8V	10	B12-V		
		10	R16-6V	10	S16-10V	10	F22-250-3V		
		10	R16-8V	5	S12-10V	10	F16-250-3V		
		10	R16-10V	10	M22-250-3V	1	tool		
		5	R12-10V	10	M16-250-3V				



### PUSH-ON TERMINAL KIT <sup>c</sup>UL<sub>us</sub>

CATALOG NO.	UPC CODE	KIT CONTENTS	CTN. QTY.	SHPG.WT. LBS./100
CTK-1	07927	kit converts screw type terminals to push-on type. contains on terminal adapters, four screws	100	4



This NSi Compressor Terminal Kit includes three color coded #10 AWG type AWM extra flexible lead wires (10" lengths). One end has a .250" by .032" female tab 12-10 quick disconnect, and the other is stripped at 5/16".

### COMPRESSOR TERMINAL KIT - WITH WIRE <sup>c</sup>UL<sub>us</sub>

CATALOG NO.	UPC CODE	KIT CONTENTS	PKG. QTY.	SHPG.WT. LBS./100
NSi 33-12	06049	3 color colded wires and includes three 12-10 AWG shrink tube butt connectors	1	8
NSi 33-13	07700	1 each 8 and 10 AWG Terminaider lead, B8-V butt connector, B12-V butt connector and 4 SS screws	1	16
NSi 33-14	07701	B12-V butt connector and 2 SS screws, 10 AWG Terminaider lead	1	7
NSi 33-15	07702	8 AWG Terminaider lead, B8-V butt connector and 2 SS screws	1	9

# Miniterm Terminals

» *MAXIMUM STRENGTH*

» *DEPENDABLE CONDUCTIVITY*

» *EASY TO INSTALL*



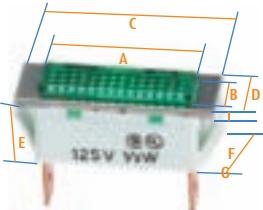
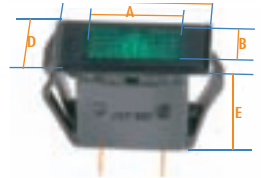
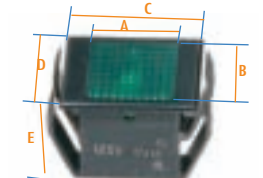
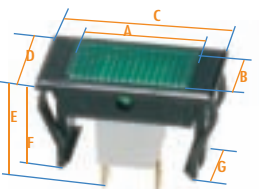
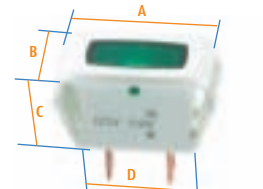
**NSi** ...another great connection.

### ROUND INDICATOR LIGHTS (WITH NON-REPLACABLE LAMPS)

CAT. NO.	UPC CODE	PANEL CUTOUT	PANEL THICKNESS	LENS STYLE	LENS COLOR	LENS TYPE	BEZEL COLOR	TYPE OF FIT	MTNG. HOLE DIA.	CTN. QTY.
 79710LW	79710	.312	.030 Min.	flush	green	diamond	white	press	.312	5
79715LW	79715	.312	.030 Min.	flush	clear	diamond	white	press	.312	5
79720LW	79720	.312	.030 Min.	flush	red	diamond	white	press	.312	5
79725LW	79725	.312	.030 Min.	flush	amber	diamond	white	press	.312	5
<b>DIMENSIONS IN INCHES</b>		<b>A: .130</b>	<b>B: 1.430</b>	<b>MOUNTING HOLE: .312</b>	<b>PANEL THICKNESS: .030 MIN.</b>					
 79730LW	79730	.500	.030 - .093	.09 Cyl	white	translucent	stainless	press	.500	5
79735LW	79735	.500	.030 - .093	.09 Cyl	blue	diamond	stainless	press	.500	5
79740LW	79740	.500	.030 - .093	.09 Cyl	green	diamond	stainless	press	.500	5
79745LW	79745	.500	.030 - .093	.09 Cyl	clear	diamond	stainless	press	.500	5
79750LW	79750	.500	.030 - .093	.09 Cyl	red	diamond	chrome	press	.500	5
79755LW	79755	.500	.030 - .093	.09 Cyl	amber	diamond	stainless	press	.500	5
<b>DIMENSIONS IN INCHES</b>		<b>A: .210</b>	<b>B: .100</b>	<b>C: .910</b>	<b>MOUNTING HOLE: .500</b>	<b>PANEL THICKNESS: .030 TO .093</b>				
79760LW	79760	.500	.030 - .093	.25 Cyl	white	translucent	stainless	press	.500	5
 79765LW	79765	.500	.030 - .093	.25 Cyl	blue	diamond	stainless	press	.500	5
79770LW	79770	.500	.030 - .093	.25 Cyl	green	diamond	stainless	press	.500	5
79775LW	79775	.500	.030 - .093	.25 Cyl	clear	diamond	stainless	press	.500	5
79780LW	79780	.500	.030 - .093	.25 Cyl	red	diamond	stainless	press	.500	5
79785LW	79785	.500	.030 - .093	.25 Cyl	amber	diamond	stainless	press	.500	5
<b>DIMENSIONS IN INCHES</b>		<b>A: .210</b>	<b>B: .100</b>	<b>C: .910</b>	<b>MOUNTING HOLE: .500</b>	<b>PANEL THICKNESS: .030 TO .093</b>				
 79795LW	79795	.500	.040 - .110	semi-dome	green	rings	none	snap in	.500	5
79800LW	79800	.500	.040 - .110	semi-dome	red	rings	none	snap in	.500	5
79810LW	79810	.500	.040 - .110	semi-dome w/bezel	green	rings	chrome	snap in	.500	5
79815LW	79815	.500	.040 - .110	semi-dome w/bezel	red	rings	chrome	snap in	.500	5
<b>DIMENSIONS IN INCHES</b>		<b>A: 1.130</b>	<b>MOUNTING HOLE: .500</b>	<b>PANEL THICKNESS: .040 TO .110</b>						

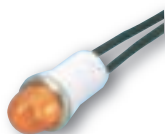
High quality indicator lights made of nylon with polycarbonate lens material and neon lamps. 125-volt rated. Connection with 6 inch wire leads. Available in many other styles and finishes. Also available with incandescent lamps. Contact NSI for price and delivery.

### SNAP-IN RECTANGULAR INDICATOR LIGHTS

	CAT. NO.	UPC CODE	PANEL CUTOUT	PANEL THICKNESS	LENS COLOR	LENS TYPE	BEZEL COVER	CONN. TYPE	LAMP COLOR
	79500LQ	79500	.375 x 1.28	.03 - .10	green	diamond	stainless	.250 quikconnect	5
	79505LQ	79505	.375 x 1.28	.03 - .10	red	diamond	stainless	.250 quikconnect	5
	79510LQ	79510	.375 x 1.28	.03 - .10	amber	diamond	stainless	.250 quikconnect	5
	79515LQ	79515	.375 x 1.28	.03 - .10	green	diamond	white	.250 quikconnect	5
DIMENSIONS IN INCHES			A: 1.080	B: .290	C: 1.380	D: .460	E: .500	F: .370	G: .120
	79530LQ	79530	.550 x 1.125	.020 - .250	green	diamond	black	.250 quikconnect	5
	79535LQ	79535	.550 x 1.125	.020 - .250	red	diamond	black	.250 quikconnect	5
	79540LQ	79540	.550 x 1.125	.020 - .250	amber	diamond	black	.250 quikconnect	5
DIMENSIONS IN INCHES			A: .810	B: .420	C: 1.240	D: .670	E: .820		
	79550LQ	79550	1.00 x 1.125	.020 - .250	red	diamond	black	.250 quikconnect	5
	DIMENSIONS IN INCHES			A: .860	B: .810	C: 1.240	D: 1.150	E: 1.240	
	79570LQ	79570	.830 x 1.450	.030 - .240	amber	diamond	black	.250 quikconnect	5
	79570LQ	79570	.830 x 1.450	.030 - .240	amber	diamond	black	.250 quikconnect	5
DIMENSIONS IN INCHES			A: 1.240	B: .670	C: 1.700	D: .960	E: 1.230	F: .940	G: .820
	79575LQ	79575	.550 x 1.125	.025 - .187	green	Frost	white	.250 quikconnect	5
	79580LQ	79580	.550 x 1.125	.025 - .187	red	Frost	white	.250 quikconnect	5
	79585LQ	79585	.550 x 1.125	.025 - .187	amber	Frost	white	.250 quikconnect	5
DIMENSIONS IN INCHES			A: 1.240	B: .680	C: .730	D: 1.07			

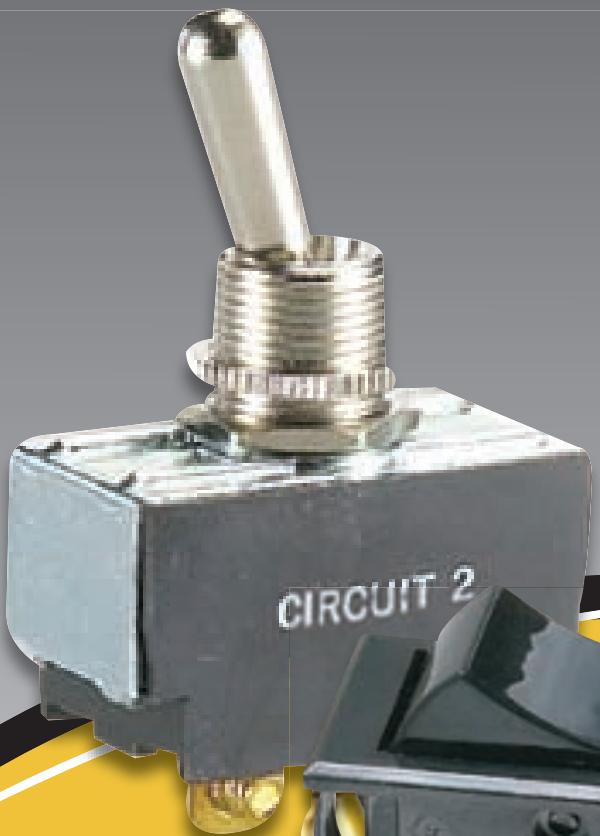
High quality indicator lights made of nylon with polycarbonate lens material and neon lamps. 125-Volt Rated. Available in many other styles and finishes. Also available with incandescent lamps. Contact NSI for price and delivery.

### INDICATOR LIGHTS



Terminals are tin-plated brass. Wire leads are 22 AWG, 4.4-4.8" long, 1/2" stripped. Mounting will snap-fit into 0.500 - 0.505" diameter hole in 0.020 - .0100" thick panels. Dome style.

CAT. NO.	UPC CODE	COLOR	LENS MATERIAL	VOLTAGE	BULB TYPE	BAG QTY.	CTN. QTY.
79900LW-D	78670	red	polycarbonate	28V	incandescent	2	12
79901LW-D	78636	green	polycarbonate	28V	incandescent	2	12
79902LW-D	78637	amber	polycarbonate	28V	incandescent	2	12
79910LW-D	78638	red	nylon	105-125VAC	neon	2	12
79911LW-D	78639	green	polycarbonate	105-125VAC	neon	2	12
79912LW-D	78640	amber	nylon	105-125VAC	neon	2	12
79914LW-D	78641	white	nylon	105-125VAC	neon	2	12
79920LW-D	78642	red	polycarbonate	208-250 VAC	neon	2	12
79921LW-D	78643	green	polycarbonate	208-250 VAC	neon	2	12
79922LW-D	78644	amber	polycarbonate	208-250 VAC	neon	2	12



CIRCUIT 2



20A, 125-277VAC  
1 1/2HP, 125VAC  
2HP, 250VAC



9948



SWITCHES

# Switches

## SWITCHES

### ROCKER, ROTARY & MISCELLANEOUS SWITCHES

CAT. NO.	UPC CODE	CIRCUIT FUNC.	POLES & THROWS	RATINGS			VOLTAGE	LAMP COLOR	ACTR. CONTACT	CONN. TYPE	CTN. QTY.
				AMPS 125 VAC	AMPS 250 VAC	H.P 125-250 VAC					
 77010RQ	77010	on off	DPST	20	10	1 1/2 @ 125, 2 @ 250	non-lighted	black	maintained	.250 quikconnect	5
77040RQ	77040	on on	DPDT	20	10	1 1/2 @ 125, 2 @ 250	non-lighted	black	maintained	.250 quikconnect	5
77060RQ	77060	on off on	DPDT	20	10	1 1/2 @ 125, 2 @ 250	non-lighted	black	maintained	.250 quikconnect	5
77090RQ	77090	(on) off	DPST	15	10	3/4	non-lighted	black	momentary	.250 quikconnect	5
77100RQ	77100	(off) on	DPST	15	10	3/4	non-lighted	black	momentary	.250 quikconnect	5
77110RQ	77110	(on) on	DPDT	15	10	3/4	non-lighted	black	momentary	.250 quikconnect	5
77120RQ	77120	(on) off on	DPDT	15	10	3/4	non-lighted	black	momentary	.250 quikconnect	5
77130RQ	77130	(on) off (on)	DPDT	15	10	3/4	non-lighted	black	momentary	.250 quikconnect	5
DIMENSIONS IN INCHES A: 1.348 B: .750 C: .762 D: .422											
 77140RQ	77140	on off	SPST	15	10	—	non-lighted	black	maintained	.250 quikconnect	5
DIMENSIONS IN INCHES A: 1.250 B: .625 C: .828 D: .406											
 77150RQ	77150	on off	SPST	15	7.5	—	—	red	maintained	.250 quikconnect	5
DIMENSIONS IN INCHES A: 1.250 B: .625 C: .828 D: .406											
 77030RQ	77030	on off	DPST	15	10	3/4 @ 250	125V incand.	1st lens red 2nd lens —	maintained	.250 quikconnect	5
77020RQ	77020	on off	DPST	15	10	3/4 @ 250	125V neon	amber —	maintained	.250 quikconnect	5
77050RQ	77050	on on	DPDT	15	10	3/4 @ 250	125V incand.	red amber	maintained	.250 quikconnect	5
77070RQ	77070	on off on	DPDT	15	10	3/4 @ 250	125V neon	amber amber	maintained	.250 quikconnect	5
77080RQ	77080	on off on	DPDT	15	10	3/4 @ 250	125V neon	red red	maintained	.250 quikconnect	5
DIMENSIONS IN INCHES A: .426 B: 1.088 C: .709 D: .345 E: 1.302											
 77300RW	77300	on off	SPST	3	1	non-lighted	rotary canopy		maintained	wire leads	5
DIMENSIONS IN INCHES A: .718 B: .600 C: .265											
 77340RW	77340	on off	SPST	6	3	non-lighted	rotary canopy		maintained	wire leads	5
77320RW	77320	off on on on	SPST	3	1	non-lighted	rotary canopy		maintained	wire leads	5
DIMENSIONS IN INCHES A: 1.000 B: .844											
 79100MS	79100	on off	SPST	6	3	—			feed through switch	screws	5
DIMENSIONS IN INCHES A: .844 B: .594 C: 1.375											
 79200MS	79200	N.C. & N.O.	SPDT	5	—	—			magnetic feed switch	screws	5
DIMENSIONS IN INCHES A: 2.500 B: .531											

( ) indicates momentary position All rocker switches are black phenolic bases with a black snap-in bezel and nylon actuator.

## PUSHBUTTONS & PULL CHAINS

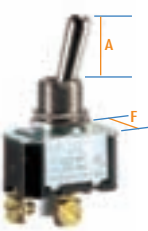
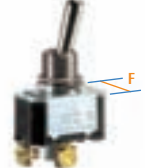
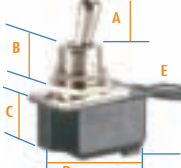
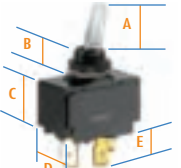
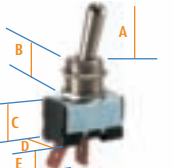
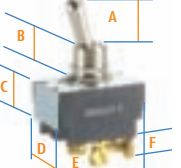
	CAT. NO.	UPC CODE	CIRCUIT FUNCTIONS	POLES & THROWS	RATINGS			ACTUATOR STYLE	ACTUATOR MATERIAL	CONTACT	CONN. TYPE	CTN. QTY.
					AMPS 125 VAC	AMPS 250 VAC	H.P 125-250 VAC					
	76050PS	76050	push on, push off	SPST	6*	3*	—	pushbutton	brass/nickel	maintained	screws	5
	76040PW	76040	push on, push off	SPST	6	3	1/3 @125	pushbutton	brass/nickel	maintained	wire leads	5
	DIMENSIONS IN INCHES			A: .437	B: .562	C: .542	D: 1.183					
	7610PW	7610	push on, push off	SPST	10	5	1/4 @125	pushbutton	nylon	maintained	wire leads	5
	DIMENSIONS IN INCHES			A: 1.003	B: .612	C: .550	D: .993					
		76060PS	76060	push on, push off	SPST	15	10	—	pushbutton	brass/nickel	maintained	screws
DIMENSIONS IN INCHES			A: .283	B: .562	C: .982	D: 1.125						
		76090PW	76090	on off	SPST	6	3	—	push canopy	brass	maintained	wire leads
	76100PW	76100	on off	SPST	6	3	—	push canopy	nickel	maintained	wire leads	5
	DIMENSIONS IN INCHES			A: .968	B: .313	C: .858						
	7620PS	7620	off (on)	SPST N.O.	3/4	1/4	—	pushbutton	nylon	momentary	screws	5
	7630PS	7630	on (off)	SPST N.C.	3/4	1/4	—	pushbutton	nylon	momentary	screws	5
	DIMENSIONS IN INCHES			A: .460	B: 1.070	C: .650	D: 1.950					
	76065PS	76065	off (on)	SPST N.O.	3	—	—	pushbutton	plastic	momentary	screws	5
	DIMENSIONS IN INCHES			A: .689	B: 1.406	C: .563	D: .875					
		76070PS	76070	off (on)	SPST N.O.	15	10	—	pushbutton	brass/nickel	momentary	screws
76080PS		76080	on (off)	SPST N.C.	15	10	—	pushbutton	brass/nickel	momentary	screws	5
DIMENSIONS IN INCHES			A: .576	B: .562	C: 1.382							
	75101CW	75101	on off	SPST	6	3	—	chain w/cord	brass	—	wire leads	5
	75102CW	75102	on off	SPST	6	3	—	chain w/cord	nickel	—	wire leads	5
	DIMENSIONS IN INCHES			A: 1.250	B: .781	C: .594						
	75110CW	751103	way/2 circuit	SP3T	6	3	—	chain w/cord	brass	—	wire leads	5
	75111CQ	751110	ff on on on	SP3T	6	3	—	chain w/cord	brass	—	push in	5
	DIMENSIONS IN INCHES			A: 1.250	B: 1.125	C: .742						

\*Amperage and voltage are also valid for D.C. Rating ( ) indicates momentary position

# Switches

## SWITCHES

### TOGGLE SWITCHES - MAINTAINED CONTACT & SINGLE POLE

	CAT. NO.	UPC CODE	CIRCUIT FUNCTIONS	POLES & THROWS	RATINGS			ACTUATOR STYLE	ACTUATOR MATERIAL	CONN. TYPE	CTN. QTY.
					AMPS 125 VAC	AMPS 250 VAC	H.P 125-250 VAC				
	78110TS	78110	on off	SPST	6	3	—	bat	brass/nickel	screws	5
	78210TS	78210	on off	SPST	20	10	3/4	bat	brass/nickel	screws	5
	78120TQ	78120	on off	SPST	20	10	3/4	bat	brass/nickel	.250 quikconnect	5
	78200TS	78200	on on	SPDT	20	10	3/4	bat	brass/nickel	screws	5
	78160TS	78160	on off on	SPDT	20	10	3/4	bat	brass/nickel	screws	5
	78060TQ	78060	on on	SPDT	20	10	3/4	bat	brass/nickel	.250 quikconnect	5
	78070TQ	78070	on off on	SPDT	20	10	3/4	bat	brass/nickel	.250 quikconnect	5
DIMENSIONS IN INCHES			A: .687	B: .465	C: .670	D: .348	E: 1.134	F: .634	THREAD: 15/32-32UNS-2A		KEYWAY: .072 X .038 DP
	78140TS	78140	on off	SPST	6*	3*	—	bat	brass/nickel	screws	5
	DIMENSIONS IN INCHES			A: .687	B: .465	C: .560	D: .348	E: .890	F: .524	THREAD: 15/32-32UNS-2A	
	78150TW	78150	on off	SPST	10*	4*	—	bat	brass/nickel	wire leads	5
	DIMENSIONS IN INCHES			A: .500	B: .469	C: .685	D: 1.093	E: 1.856	THREAD: 15/32-32	STANDARD 6" WIRE LEADS	
	78020TQ	78020	on off	SPST	15*	10*	3/4	flat	poly. (amber)**	.250 quikconnect	5
	78030TQ	78030	on off	SPST	15*	10*	3/4	flat	poly. (green)**	.250 quikconnect	5
	78040TQ	78040	on off	SPST	15*	10*	3/4	flat	poly. (red)**	.250 quikconnect	5
	DIMENSIONS IN INCHES			A: .715	B: .379	C: .865	D: .750	E: .422	THREAD: 15/32-32UNS-2A	KEYWAY: .072 X .038 DP	
	78280TS	78280	on off	SPST	16*	8*	1	bat	brass/nickel	screws	5
	78010TQ	78010	on off	SPST	20	10	1 1/2	flat	nylon	.250 quikconnect	5
	78015TS	78015	on off	SPST	20	10	—	flat	nylon	screws	5
DIMENSIONS IN INCHES			A: .687	B: .280	C: .687	D: .375	E: 1.000	F: .588	KEYWAY: .072 X .038		
	78050TQ	78050	on off	SPST	20	10	3/4	bat	brass/nickel	.250 quik connect	5
	DIMENSIONS IN INCHES			A: .687	B: .465	C: .585	D: .522	E: .312	THREAD: 15/32-32UNS-2A	KEYWAY: .072 X .038	
	78350TS	78350	circuits 1&2 on off circuits 1 on	2 circuits	15	10	3/4 @ 250	bat	brass/nickel	screws	5
	DIMENSIONS IN INCHES			A: .687	B: .465	C: .778	D: .750	E: 1.308	F: .422	KEYWAY: .072 X .038	

\*Amperage and voltage are also valid for D.C. Rating

\*\*Lighted toggle

Poly. = Polycarbonate

## TOGGLE SWITCHES - MAINTAINED & MOMENTARY CONTACT - MULTIPLE POLE

CAT. NO.	UPC CODE	CIRCUIT FUNCTIONS	POLES & THROWS	RATINGS			ACTUATOR STYLE	ACTUATOR MATERIAL	CONN. TYPE	CTN. QTY.	
				AMPS 125 VAC	AMPS 250 VAC	H.P. 125-250 VAC					
	78080TQ	78080	on off	DPST	15	10	—	bat	brass/nickel	.250 quikconnect	5
	78220TS	78220	on off	DPST	20	10	3/4	bat	brass/nickel	screws	5
	78130TQ	78130	on off	DPST	20	10	3/4	bat	brass/nickel	.250 quikconnect	5
	78090TQ	78090	on on	DPDT	15	10	—	bat	brass/nickel	.250 quikconnect	5
	78100TQ	78100	on off on	DPDT	15	10	1 1/2	bat	brass/nickel	.250 quikconnect	5
	78270TS	78270	on on	DPDT	20	10	1 1/2@125.2@250	bat	brass/nickel	screws	5
	78240TS	78240	off (on)	DPST	15	10	3/4	bat	brass/nickel	screws	5
	78250TS	78250	on off (on)	DPDT	15	10	3/4	bat	brass/nickel	screws	5
	78260TS	78260	(on) off (on)	DPDT	15	10	3/4	bat	brass/nickel	screws	5
DIMENSIONS IN INCHES		A: .687	B: .465	C: .778	D: .750	E: 1.308	F: .422	THREAD: 15/32-323UNS-2A		KEYWAY: .072 X .038	
	78290TS	78290	on off	DPST	16*	8*	1	bat	brass/nickel	screws	5
DIMENSIONS IN INCHES		A: .687	B: .465	C: .765	D: .836	E: 1.750	F: 1.764	THREAD: 15/32-323UNS-2A		KEYWAY: .072 X .038	
	78300TS	78300	on off	DPST	20*	10*	1 1/2	bat	brass/nickel	screws	5
DIMENSIONS IN INCHES		A: .687	B: .465	C: .895	D: 1.000	E: 2.093					
	78325TS	78325	on off	DPST	16	8	1	bat	nylon**	screws	5
DIMENSIONS IN INCHES		A: .674	B: .468	C: .780	D: .810	E: 1.870					
	78310TS	78310	on off	3PST	15	10	3/4 @ 250	bat	brass/nickel	screws	5
	78315TS	78315	on off on	3PDT	15	10	3/4 @ 250	bat	brass/nickel	screws	5
DIMENSIONS IN INCHES		A: .688	B: .469	C: .965	D: .300	THREAD: 15/32					
	78330TS	78330	on off	4PST	15	10	3/4 @ 250	bat	brass/nickel	screws	5
	78320TS	78320	on on	4PDT	15	10	3/4 @ 250	bat	brass/nickel	screws	5
	78340TS	78340	on off on	4PDT	15	10	3/4 @ 250	bat	brass/nickel	screws	5
DIMENSIONS IN INCHES		A: .687	B: .465	C: 1.436	D: .803	E: .422	F: 1.308	THREAD: 15/32-323UNS-2A		KEYWAY: .072 X .038	
	78170TS	78170	off (on)	SPST	15	10	3/4	bat	brass/nickel	screws	5
	78180TS	78180	on off (on)	SPST	15	10	3/4	bat	brass/nickel	screws	5
	78190TS	78190	(on) off (on)	SPST	15	10	3/4	bat	brass/nickel	screws	5
DIMENSIONS IN INCHES		A: .687	B: .465	C: .670	D: .803	E: .348					
	79300MS	79300	rubber cover for toggles								
DIMENSIONS IN INCHES		A: .950	B: .812								

\*Amperage and voltage are also valid for D.C. Rating ( ) Indicates momentary position

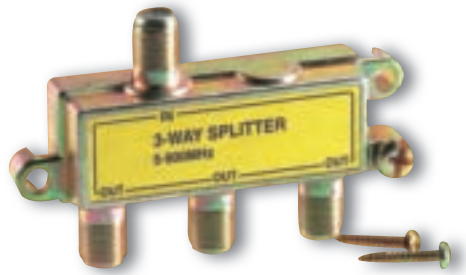
\*\*Double-insulated for shock proof requirements





DATA  
COMMUNICATION







## SPLITTERS

CATALOG NO.	UPC CODE	DESCRIPTION	CARTON QUANTITY
CS-2	09220	two-way splitter – includes mounting hardware (5-900 MHz)	10
CS-3	09221	three-way splitter – includes mounting hardware (5-900 MHz)	10
CS-4	09222	four-way splitter – includes mounting hardware (5-900 MHz)	10
CS-8	09224	eight-way splitter – includes mounting hardware (5-900 MHz)	5
CS-2HF	09230	two-way high frequency satellite splitter (1000-2050 MHz)	10
CS-3HF	09231	three-way high frequency satellite splitter (1000-2050 MHz)	10
CS-4HF	09232	four-way high frequency satellite splitter (1000-2050 MHz)	10

## "F" CONNECTORS

	CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.
	FC59C	09200	"F" connector for RG59/U cable Conductor of cable becomes male pin of connector supplied with 1/4 inch crimping ring	25
	FC59T	09202	"F" connector for RG59/U cable twist-on style	25
	FC6C	09201	crimp-on "F" connector for standard shield RG6/U cable	25
	FC6C-Q	09226	foil shield crimp-on "F" connector for quad shield RG6/U cable	25
	FC6T	09203	twist on "F" connector for standard shield RG6/U cable	25
	FC6T-Q	09228	twist on "F" connector for quad shield RG6/U cable	25









	FCF	09204	female adapter supplied complete with locknut and washer	25
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# Data Communication

## TELEPHONE ACCESSORIES

### TELEPHONE WALL PLATES

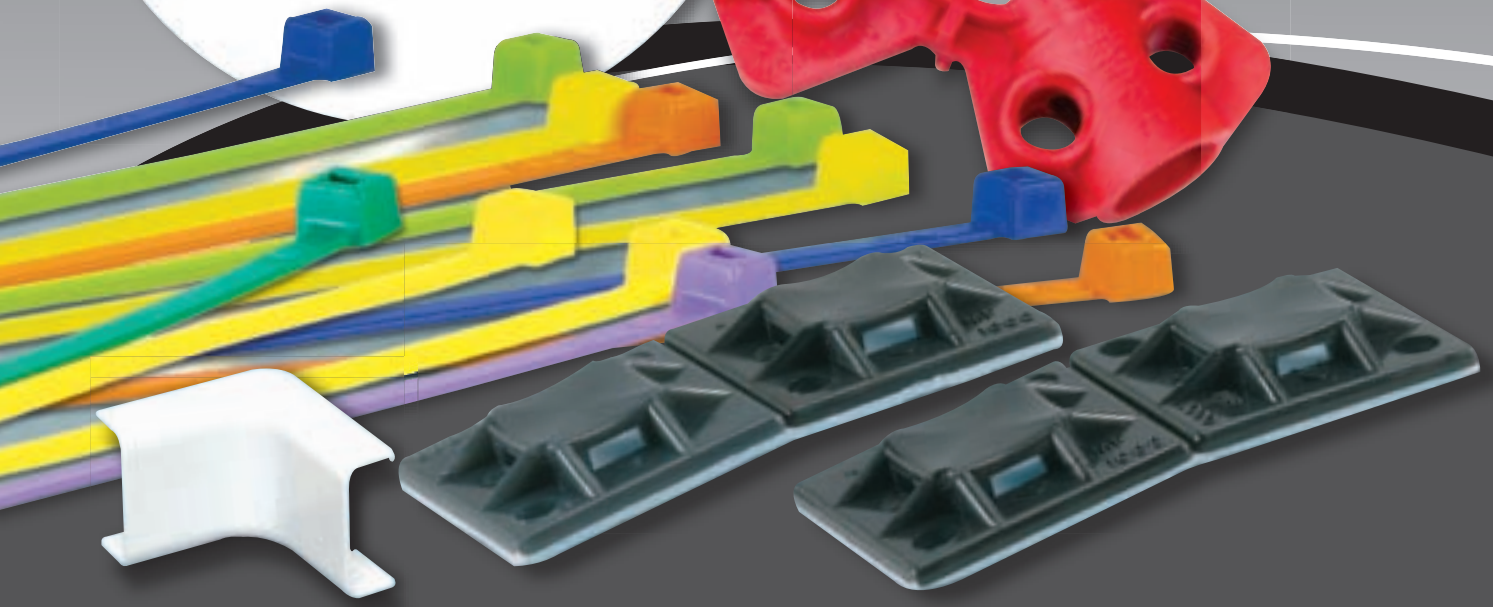
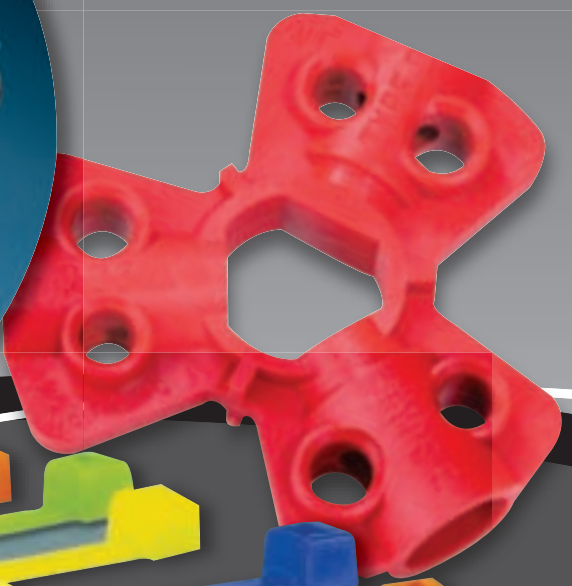
		CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.
	<b>Modular Telephone Wall Plates</b>	MWP-4	82101	4 conductor - ivory	25
	For standard electrical boxes, supplied with matching screws. Smooth plate finish. Color-coded wires connect jack to connecting block.	MWP-41	82102	4 conductor - white	25
		MWP-6	82103	6 conductor - ivory	25
		MWP-61	82104	6 conductor - white	25
		MWP-81	82106	8 conductor - white	25
	<b>Dual Modular Telephone Wall Plates</b>	DMWP-4	82107	4 conductor - ivory	25
	For standard electrical boxes, supplied with matching screws. Smooth plate finish. Color-coded wires connect jack to connecting block.	DMWP-41	82108	4 conductor - white	25
		DMWP-6	82109	6 conductor - ivory	25
		DMWP-61	82110	6 conductor - white	25
		DMWP-8	82111	8 conductor - ivory	25
	<b>Wall Phone Modular Jack</b>	WPMJ-P	82113	all plastic - ivory	25
	Designed to mount on a standard junction box or flat on a wall surface. Sturdy supports for mounting the wall phone are molded in. All have screw terminals for wire connection.	WPMJ-P1	82114	all plastic - white	25
		WPMJ-SS	82115	stainless steel	25
	<b>Mid Size Flush Mount Telephone Wall Plate</b>	MSWP-41	82117	4 conductor - white	25
	Over-size flush mount plastic telephone wall plate.				
	<b>Flush Mount Outdoor Modular Telephone Jack</b>	OMJ-4	82118	4 conductor	25
	Flush mount weather-proof RJ11/RJ14. Mounts in any standard electrical box. Mounting hardware provided.				
	<b>Blank Wall Plate</b>	BWP	82121	ivory	25
	Gang blank wall plate.	BWP-1	82122	white	25

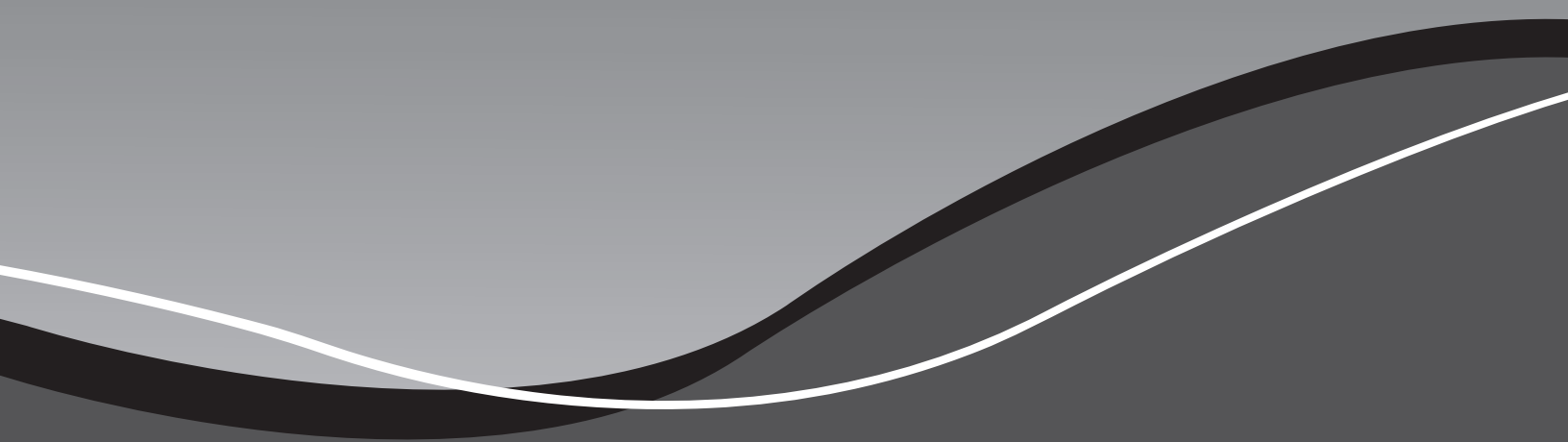
### "F" TYPE & COMBINATION WALL PLATES

	CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	
	<b>"F" Type TV/FM Wall Plates</b> Designed for 75 ohm antenna and/or cable systems. These wall plates may be used flush or without box. A female adapter is mounted in the plate. Supplied complete with mounting screws.	FCF-WP	09205	ivory	25
		FCF-WP-1	09206	white	25
	<b>Dual "F" Type TV/FM Wall Plates</b> Designed for 75 ohm antenna and/or cable systems. These wall plates may be used flush or without box. Two female adapters are mounted in the plate. Supplied complete with mounting screws.	FCF2-WP	82130	ivory	25
		FCF2-WP-1	82131	white	25
	<b>Combination Telephone/"F" Type Wall Plates</b> Contains one 4 wire modular phone jack to accept a modular telephone plug and a female "F" type adapter for attaching 75 ohm antenna and/or cable systems. Supplied with mounting screws.	FCFT-WP	82132	ivory	25
		FCFT-WP-1	82133	white	25

### TELEPHONE ACCESSORIES

	CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	
	<b>Single Mount Wall Jacks</b>	SMWJ-4	82135	4 conductor - ivory	25
	Converts a 4, 6 or 8 wire location to a modular telephone outlet. The mounting block is wired to the modular jack. Screw mount the block and attach existing color-coded wire to the screw terminals. Snap on cover.	SMWJ-41	82136	4 conductor - white	25
		SMWJ-6	82137	6 conductor - ivory	25
		SMWJ-61	82138	6 conductor - white	25
		SMWJ-8	82139	8 conductor - ivory	25
	<b>Modular Extension Couplers</b>	MEC-4	82140	4 conductor - ivory	25
	Modular cord extension couplers have female adapter jacks at either end and allow two separate modular cords to be connected.	MEC-41	82141	4 conductor - white	25
		MEC-6	82142	6 conductor - ivory	25
	<b>Telephone Line Junction Box</b>				
	A convenient method of interfacing modular telephones to the system in the home, without going through complicated wiring. Attachments are made at one to four color coded connecting points. A modular plug and 24" cable connects to a standard interface jack.	TLJB-1	82146	white	25
	<b>5 Way Modular Outlet Box</b>				
	Connects up to 5 telephones or related equipment to an existing single modular jack. 4 contacts. Self-adhesive backing for easy installation.	MOB	82147	—	25
	<b>Telephone Extension Cable</b>	TEC-25	82148	ivory	10
	Telephone extension cable for 4 conductor systems.	TEC-25-1	82149	white	10





# WIRE MANAGEMENT



### GENERAL PURPOSE



General Purpose Easy-Wrap™ is a 7 mil, economy-grade, sunlight resistant, pressure sensitive vinyl electrical tape. Suitable for use in all kinds of electrical and mechanical applications such as cable insulation, wire bundling, and reinforcing. Extremely flexible

with good adhesion and conformability. Available in standard black and nine assorted colors for easy identification or color coding. Suitable for use at no more than 600V and not more than 80°C (176°F). CSA temperature range: -7°C to 80°C.

CATALOG NO.	UPC CODE	COLOR	(INCHES)			PACKAGING		LBS./CTN.
			THICKNESS	WIDTH	LENGTH	UNIT	CARTON	
EWG 7060	70600	black	.007	.75	60 ft.	cello pack, sleeve of 10	200	38
EWG 7060-1	70601	brown	.007	.75	60 ft.	cello pack, sleeve of 10	200	38
EWG 7060-2	70602	red	.007	.75	60 ft.	cello pack, sleeve of 10	200	38
EWG 7060-3	70603	orange	.007	.75	60 ft.	cello pack, sleeve of 10	200	38
EWG 7060-4	70604	yellow	.007	.75	60 ft.	cello pack, sleeve of 10	200	38
EWG 7060-5	70605	green	.007	.75	60 ft.	cello pack, sleeve of 10	200	38
EWG 7060-6	70606	blue	.007	.75	60 ft.	cello pack, sleeve of 10	200	38
EWG 7060-7	70607	purple	.007	.75	60 ft.	cello pack, sleeve of 10	200	38
EWG 7060-8	70608	grey	.007	.75	60 ft.	cello pack, sleeve of 10	200	38
EWG 7060-9	70609	white	.007	.75	60 ft.	cello pack, sleeve of 10	200	38

### PREMIUM 070



Premium 070 Easy-Wrap™ is a 7 mil, all weather, premium grade, pressure sensitive vinyl electrical tape. Cold and sunlight resistant. Flame retardant. Suitable for use in all kinds of electrical and mechanical applications. Provides exceptional flexibility and performance over a wide range of

temperatures. Available in standard black and nine assorted colors for easy identification or color coding. Suitable for use at no more than 600V and not more than 80°C (176°F). CSA temperature range: -18°C to 105°C.

CATALOG NO.	UPC CODE	COLOR	(INCHES)			PACKAGING		LBS./CTN.
			THICKNESS	WIDTH	LENGTH	UNIT	CARTON	
EWP 7066	70660	black	.007	.75	66 ft.	plastic case, 10 per box	100	22
EWP 7066-1	70661	brown	.007	.75	66 ft.	plastic case, 10 per box	100	22
EWP 7066-2	70662	red	.007	.75	66 ft.	plastic case, 10 per box	100	22
EWP 7066-3	70663	orange	.007	.75	66 ft.	plastic case, 10 per box	100	22
EWP 7066-4	70664	yellow	.007	.75	66 ft.	plastic case, 10 per box	100	22
EWP 7066-5	70665	green	.007	.75	66 ft.	plastic case, 10 per box	100	22
EWP 7066-6	70666	blue	.007	.75	66 ft.	plastic case, 10 per box	100	22
EWP 7066-7	70667	purple	.007	.75	66 ft.	plastic case, 10 per box	100	22
EWP 7066-8	70668	grey	.007	.75	66 ft.	plastic case, 10 per box	100	22
EWP 7066-9	70669	white	.007	.75	66 ft.	plastic case, 10 per box	100	22

### PREMIUM 085



Premium 085 Easy-Wrap™ is a 8.5 mil, all weather, premium grade, pressure sensitive vinyl electrical tape. Cold and sunlight resistant. Flame retardant. Suitable for use in all kinds of electrical and mechanical applications. Provides exceptional flexibility and performance over a wide range of

temperatures. Available in standard black only. Suitable for use at no more than 600V and not more than 80°C (176°F). CSA temperature range: -18°C to 105°C. Meets MIL-I-24391C, HH-I-595C and ASTM D-3005.

CATALOG NO.	UPC CODE	COLOR	(INCHES)			PACKAGING		LBS./CTN.
			THICKNESS	WIDTH	LENGTH	UNIT	CARTON	
EWP 8566	85660	black	.0085	.75	66 ft.	plastic case, 10 per box	100	25

# Wire Management

600 V RUBBER SPLICING TAPE/DOUBLE-SIDED

## RUBBER SPLICING TAPE



High quality unvulcanized rubber that will bond quickly to itself to form a solid mass of watertight protection. Self fusing with liner. Can be used as primary insulation for electrical wires and cable splices up to 600 volts. Conforms to irregular shapes

and is flexible to withstand expansion and contraction. Highly resistant to salt water, steam, oils, detergents and other chemicals. Dielectric strength 490 volts per mil. Meets HH-I-553C Grade B and ASTM D-119; UL 510 listing #2C58.

CATALOG NO.	UPC CODE	COLOR	(INCHES)			PACKAGING		LBS./CTN.
			THICKNESS	WIDTH	LENGTH	UNIT	CARTON	
EWRT3022-.75	70367	black	.030	.75	22 ft.	each	100	35
EWRT3022-1.5	70369	black	.030	1.5	22 ft.	each	100	35
EWRT3022-2	70370	black	.030	2	22 ft.	each	100	35

## DOUBLE-SIDED ADHESIVE TAPE



White double-sided adhesive tape and double-sided adhesive foam tape (1/16" thick) is available for a variety of uses including mounting panel channel ductwork.

CATALOG NO.	UPC CODE	TYPE	WIDTH (INCHES)	LENGTH (FEET)	WIDTH (MM)	LENGTH (METERS)	STANDARD PKG.	STANDARD CTN.
ADH-472	16350	plain	.472	328	12	100	5	25
ADH-708	16351	plain	.708	328	18	100	5	25
ADH-905	16352	plain	.905	328	23	100	5	25
AFT-5033	09177	foam	.500	33	13	10	10	50
AFT-7533	09178	foam	.750	33	19	10	10	50

## FRICION TAPE



Cloth construction offering good mechanical protection against abrasion and penetration of cable, splices and wire. Coated on both sides with a rubber adhesive for good adhesion to all types of surfaces.

CATALOG NO.	UPC CODE	COLOR	(INCHES)			PACKAGING		LBS./CTN.
			THICKNESS	WIDTH	LENGTH	UNIT	CARTON	
EWFT157560	70681	black	.015	.75	60 ft.	cello pack, sleeve of 10	100	30

## ALL WEATHER CORROSION PROTECTION TAPE (PIPE WRAP)



Easy-Wrap™ All Weather Corrosion Protection Tapes are heavy duty PVC tapes, manufactured with a high quality adhesive and are designed to protect pipe surfaces from corrosion, abrasion and electrolytic action. They can be used indoors or outdoors and above or below ground to

protect pipes, conduits, joints and fittings. Pliable and easy to apply. Outstanding protection against water, sunlight, acids, alkalis, corrosive salts and sewage. Excellent UV resistance. Temperature rated to 176°F (80°C).

CATALOG NO.	UPC CODE	COLOR	(INCHES)			PACKAGING		LBS./CTN.
			THICKNESS	WIDTH	LENGTH	UNIT	CARTON	
EWPP102100	70692	black	.010	2	100 ft.	cello pack	24	24
EWPP102100P*	70693	black	.010	2	100 ft.	cello pack	24	24
EWPP104100	70694	black	.010	4	100 ft.	cello pack	12	23
EWPP104100P*	70695	black	.010	4	100 ft.	cello pack	12	23
EWPP106100	78359	black	.010	6	100 ft.	cello pack	6	21
EWPP202100	78361	black	.020	2	100 ft.	cello pack	12	27
EWPP202100P	78362	black	.020	2	100 ft.	cello pack	12	27

\* Suffix "P" denotes printed tapes.

# Wire Management

WIRE HARNESS/SILICONE RUBBER/HIGH VOLTAGE RUBBER/DUCT

## WIRE HARNESS WRAP



A 5 mil PVC film, coated with a rubber adhesive for high elongation and exceptional adherence. Excellent conformability to the wiring harness. Matte finish.

CATALOG NO.	UPC CODE	COLOR	(INCHES)			PACKAGING		LBS./CTN.
			THICKNESS	WIDTH	LENGTH	UNIT	CARTON	
EWWH 5060	70696	black	.005	.75	60 ft.	cello pack, sleeve of 10	200	34

## SILICONE RUBBER TAPE 69 KV



Self-bonding silicone rubber tape adheres to itself when wrapped under tension and fuses to form a homogeneous mass within 24 hours at room temperature or four hours at 350°F. No adhesive required; tape

leaves no residue. Excellent dielectric properties. Waterproof & chemical resistant. Temperature range: -65°F to 400°F. Triangular configuration. For use on applications up to 69 KV. Meets MIL-A-A-59163.

CATALOG NO.	UPC CODE	(INCHES)			PACKAGING		LBS./CTN.
		THICKNESS	WIDTH	LENGTH	UNIT	CARTON	
EWSR 121030	70700	.120	1	30 ft.	cello pack	48	16

## HIGH VOLTAGE RUBBER TAPE 69 KV - WITH LINER



Self bonding, highly conformable 30 mil EPR rubber – with liner. Use as primary electrical insulation for applications through 69 KV. Rated for 90°C continuous operating temperature. Intermittent to 130°C. Will not crack at -40°C. Flame Retardant, IEEE Standard 17-1974 ANSI.

CATALOG NO.	UPC CODE	(INCHES)			PACKAGING		LBS./CTN.
		THICKNESS	WIDTH	LENGTH	UNIT	CARTON	
EWHR307530-L	70706	.030	.75	30 ft.	bag	48	27
EWHR3010030-L	70707	.030	1	30 ft.	bag	36	27
EWHR3015030-L	70708	.030	1.5	30 ft.	bag	24	27

## GENERAL PURPOSE DUCT TAPE



Superior cloth duct tapes, designed to meet all industry demands and applications. Uniform MD/CD tear properties. Other thicknesses, grades and colors are available, please speak with an NSi Customer Service representative for details.

CATALOG NO.	UPC CODE	DESCRIPTION	COLOR	ADHESION	TENSILE	THICKNESS	WIDTH	LENGTH	CTN. QTY.
				OZ/INCH	LBS/INCH	(mm)	(INCHES)	(YARDS)	
EWDT-8	70686	general purpose	silver	60	18	18	2	55	24

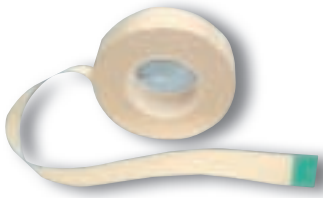
## ELECTRICAL FILLER TAPE



Butyl based insulation is 1/8" thick for build-up. Easy to mold around irregular shapes. Self-amalgamates into solid flexible mass. Will not corrode copper or aluminum and highly resistant to moisture. Rated for applications up to 5 KV.

CATALOG NO.	UPC CODE	COLOR	(INCHES)			PACKAGING		LBS./CTN.
			THICKNESS	WIDTH	LENGTH	UNIT	CARTON	
EWEF 12155	70710	black	.125	1.5	5 ft.	cello pack	10	18

## GLASS CLOTH ELECTRICAL TAPE - RUBBER ADHESIVE



Provides heat stabilized insulation for applications where resistance to high temperature and high mechanical strength are required, such as motor leads, hot spots, switches and controls. Insulation Class: 130°C (266°F). Dielectric strength: 3,300 volts. MIL-I-15126F (type GFT).

CATALOG NO.	UPC CODE	THICKNESS	(INCHES)			PACKAGING		LBS./CTN.
			WIDTH	LENGTH	UNIT	CARTON		
EWGC 75066	70711	.007	.5	66 ft.	cello pack	72	10	
EWGC 77566	70712	.007	.75	66 ft.	cello pack	48	10	

## RUBBER MASTIC TAPE - LINED



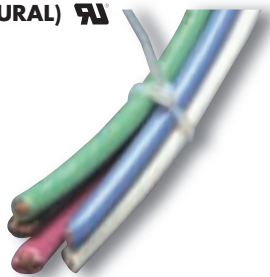
A self-fusing conformable electrical insulating and sealing tape. EPR rubber with a strong stable mastic adhesive for busbar and splice connections.

CATALOG NO.	UPC CODE	THICKNESS	(INCHES)			PACKAGING		LBS./CTN.
			WIDTH	LENGTH	UNIT	CARTON		
EWMT 1252524	78372	.125	2.5	2 ft.	shrink wrap	16	7	

# Wire Management

## STANDARD (NATURAL) CABLE TIES

### STANDARD CABLE TIES (NATURAL)

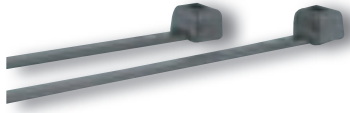


Designed for quick and easy use. Strong and flexible, they can be wrapped around a bundle quickly and the tail easily inserted into a self-locking head. The smaller standard size ties even have bent tails to facilitate rapid tail-to-head insertion by user. Made of high-strength Nylon 66 that resists abrasion and chemicals such as common oils, greases, solvents, dilute acids and alkalines. They are fungus-resistant, self-extinguishing and have

excellent dielectric properties. Designed for continuous use from -40°F to 185°F (-40°C to 85°C) and will withstand temperatures up to 300°F (149°C). 94V-2 flammability rating. Four sizes of canister packs include popular assortments of standard and colored cable ties. The ties are provided in an air-tight canister to prevent them from drying out, thus extending their life.

CAT. NO.	UPC CODE	(INCHES)		MAX. BUNDLE DIA.	MIN. TENSILE STRENGTH	PACKAGING		SHPG.WT. LBS./100
		LENGTH	WIDTH			STD. PKG.	STD.CTN.	
<b>MINIATURE</b>								
418	05000	4	.100	7/8	18 lbs.	100	5,000	0.08
418X	05120	4	.100	7/8	18 lbs.	1,000	5,000	0.08
518	05127	5.5	.100	1 3/8	18 lbs.	100	5,000	0.10
518X	05128	5.5	.100	1 3/8	18 lbs.	1,000	5,000	0.10
818	05003	8	.100	2 1/8	18 lbs.	100	3,000	0.15
818X	05121	8	.100	2 1/8	18 lbs.	1,000	3,000	0.15
<b>INTERMEDIATE DUTY</b>								
540	04192	5.5	.130	1 3/8	40 lbs.	100	3,000	0.15
540X	04193	5.5	.130	1 3/8	40 lbs.	1,000	3,000	0.15
840	05004	8	.140	2 1/8	40 lbs.	100	3,000	0.24
840X	05065	8	.140	2 1/8	40 lbs.	1,000	3,000	0.24
1140	05132	11.5	.140	3 1/4	40 lbs.	100	2,000	0.33
<b>STANDARD DUTY</b>								
450	05066	4.75	.187	1 1/8	50 lbs.	100	5,000	0.17
450X	05129	4.75	.187	1 1/8	50 lbs.	1,000	5,000	0.17
650	05130	6.25	.187	1 5/8	50 lbs.	100	3,000	0.26
650X	05131	6.25	.187	1 5/8	50 lbs.	1,000	3,000	0.26
750	05002	7.5	.187	2	50 lbs.	100	3,000	0.29
750X	05061	7.5	.187	2	50 lbs.	1,000	3,000	0.29
850	05070	8	.187	2 1/8	50 lbs.	100	3,000	0.33
850X	05049	8	.187	2 1/8	50 lbs.	1,000	3,000	0.33
1150	05005	11	.187	3 1/8	50 lbs.	100	2,000	0.48
1150X	05062	11	.187	3 1/8	50 lbs.	1,000	2,000	0.48
1450	05006	14.5	.187	4	50 lbs.	100	3,000	0.60
1450X	05063	14.5	.187	4	50 lbs.	1,000	3,000	0.60
1850	05071	17.75	.187	5	50 lbs.	100	2,000	0.72
<b>LIGHT HEAVY DUTY</b>								
8120	05072	8	.300	2	120 lbs.	100	2,000	0.60
8120X	05067	8	.300	2	120 lbs.	1,000	2,000	0.60
11120	05073	11	.300	3	120 lbs.	100	2,000	0.88
14120	05007	15	.300	4 3/8	120 lbs.	100	2,000	1.28
18175	05015	17.75	.315	5 1/4	175 lbs.	50	500	1.53
24175	05010	24	.315	7 1/4	175 lbs.	50	500	2.56
<b>HEAVY DUTY</b>								
30175	05014	30	.354	9 1/4	175 lbs.	50	500	3.18
36175	05012	36	.354	10 5/8	175 lbs.	50	500	3.86
48175	05013	48	.354	15	175 lbs.	50	500	5.28
60175	04194	59	.354	18 1/4	175 lbs.	50	500	6.00
<b>EXTRA HEAVY DUTY</b>								
15250	05075	15	.500	4 3/8	250 lbs.	50	500	2.57
18250	05076	18.87	.500	5 1/2	250 lbs.	50	500	3.09
22250	05077	22.87	.500	6 7/8	250 lbs.	50	500	3.70
28250	05078	28.75	.500	8 7/8	250 lbs.	50	500	4.53

### UV AND WEATHER RESISTANT CABLE TIES (BLACK)



Weather resistant cable ties are made from weather resistant Nylon 66. For applications exposed to outside elements. Good UV resistance. Same temperature and flammability rating as natural ties. Available in black only.

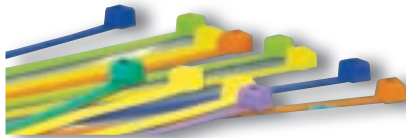
CAT. NO.	UPC CODE	(INCHES)		MAX. BUNDLE DIA.	MIN. TENSILE STRENGTH	PACKAGING		SHPG.WT. LBS./100
		LENGTH	WIDTH			STD. PKG.	STD.CTN.	
4180	05020	4	.100	7/8	18 lbs.	100	5,000	0.08
4180X	05122	4	.100	7/8	18 lbs.	1,000	5,000	0.08
5180	05134	5.5	.100	1 3/8	18 lbs.	100	5,000	0.10
5180X	05135	5.5	.100	1 3/8	18 lbs.	1,000	5,000	0.10
8180	05023	8	.100	2 1/8	18 lbs.	100	3,000	0.15
8180X	05124	8	.100	2 1/8	18 lbs.	1,000	3,000	0.15
<b>INTERMEDIATE DUTY</b>								
5400	04186	5.5	.130	1 3/8	40 lbs.	100	5,000	0.15
5400X	04187	5.5	.130	1 3/8	40 lbs.	1,000	5,000	0.15
8400	05024	8	.140	2 1/8	40 lbs.	100	3,000	0.24
8400X	05069	8	.140	2 3/8	40 lbs.	1,000	3,000	0.24
11400	05139	11.5	.140	3 1/4	40 lbs.	100	2,000	0.33
<b>STANDARD DUTY</b>								
4500	05085	4.75	.187	1 1/8	50 lbs.	100	5,000	0.17
4500X	05136	4.75	.187	1 1/8	50 lbs.	1,000	5,000	0.17
6500	05137	6.25	.187	1 5/8	50 lbs.	100	3,000	0.26
6500X	05138	6.25	.187	1 5/8	50 lbs.	1,000	3,000	0.26
7500	05022	7.5	.187	2	50 lbs.	100	3,000	0.29
7500X	05123	7.5	.187	2	50 lbs.	1,000	3,000	0.29
8500	05090	8	.187	2 1/8	50 lbs.	100	3,000	0.33
8500X	05019	8	.187	2 1/8	50 lbs.	1,000	3,000	0.33
11500	05025	11	.187	3 1/8	50 lbs.	100	3,000	0.48
11500X	05064	11	.187	3 1/8	50 lbs.	1,000	3,000	0.48
14500	05026	14.5	.187	4	50 lbs.	100	3,000	0.60
14500X	05126	14.5	.187	4	50 lbs.	1,000	3,000	0.60
18500	05091	17.75	.187	5	50 lbs.	100	2,000	0.72
<b>LIGHT HEAVY DUTY</b>								
81200	05092	8	.300	2	120 lbs.	100	2,000	0.60
81200X	05086	8	.300	2	120 lbs.	1,000	2,000	0.60
111200	05093	11	.300	3	120 lbs.	100	2,000	0.88
141200	05027	15	.300	4 3/8	120 lbs.	100	2,000	1.28
<b>HEAVY DUTY</b>								
181750	05035	17.75	.315	5 1/4	175 lbs.	50	500	1.53
241750	05030	24	.315	7 1/4	175 lbs.	50	500	2.56
301750	05034	30	.354	9 1/4	175 lbs.	50	500	3.18
361750	05032	36	.354	10 5/8	175 lbs.	50	500	3.86
481750	05033	48	.354	15	175 lbs.	50	500	5.28
601750	04195	59	.354	18 1/4	175 lbs.	50	500	6.00
<b>EXTRA HEAVY DUTY</b>								
152500	05095	15	.500	4 3/8	250 lbs.	50	500	2.57
182500	05096	18.87	.500	5 1/2	250 lbs.	50	500	3.09
222500	05097	22.87	.500	6 7/8	250 lbs.	50	500	3.70
282500	05098	28.75	.500	8 7/8	250 lbs.	50	500	4.53
342500	05099	34.68	.500	10 1/2	250 lbs.	50	500	5.63
402500	05088	40.5	.500	12 1/2	250 lbs.	50	500	6.60

# Wire Management

STANDARD (COLORS & FLUORESCENT) AND HVAC UL181B-C APPROVED CABLE TIES

## HVAC UL181B-C APPROVED TIES FOR FLEXIBLE DUCT

CAT. NO.	UPC CODE	LENGTH	WIDTH	COLOR	MAX. BUNDLE DIA.	MIN. TENSILE STRENGTH	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
36175	05012	36	.354	natural	10 5/8	175 lbs.	50	500	3.86
361750	05032	36	.354	black	10 5/8	175 lbs.	50	500	3.86
48175	05013	48	.354	natural	15	175 lbs.	50	500	5.28
481750	05033	48	.354	black	15	175 lbs.	50	500	5.28



## STANDARD CABLE TIES - COLORS

CAT. NO.	UPC CODE	LENGTH	WIDTH	COLOR	MAX. BUNDLE DIA.	MIN. TENSILE STRENGTH	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
530-1	09100	5.6	.130	brown	1 1/4	30 lbs.	100	5,000	.21
530-2	09101	5.6	.130	red	1 1/4	30 lbs.	100	5,000	.21
530-3	09102	5.6	.130	orange	1 1/4	30 lbs.	100	5,000	.21
530-4	09103	5.6	.130	yellow	1 1/4	30 lbs.	100	5,000	.21
530-5	09104	5.6	.130	green	1 1/4	30 lbs.	100	5,000	.21
530-6	09105	5.6	.130	blue	1 1/4	30 lbs.	100	5,000	.21
530-8	09106	5.6	.130	gray	1 1/4	30 lbs.	100	5,000	.21
750-2	09107	7.5	.187	red	1 3/4	50 lbs.	100	3,000	.43
750-3	09108	7.5	.187	orange	1 3/4	50 lbs.	100	3,000	.43
750-4	09109	7.5	.187	yellow	1 3/4	50 lbs.	100	3,000	.43
750-5	09110	7.5	.187	green	1 3/4	50 lbs.	100	3,000	.43
750-6	09111	7.5	.187	blue	1 3/4	50 lbs.	100	3,000	.43
750-7	09112	7.5	.187	purple	1 3/4	50 lbs.	100	3,000	.43
750-8	09113	7.5	.187	gray	1 3/4	50 lbs.	100	3,000	.43
840-1	09114	8.5	.130	brown	2	40 lbs.	100	3,000	.38
840-2	09115	8.5	.130	red	2	40 lbs.	100	3,000	.38
840-3	09116	8.5	.130	orange	2	40 lbs.	100	3,000	.38
840-4	09117	8.5	.130	yellow	2	40 lbs.	100	3,000	.38
840-5	09118	8.5	.130	green	2	40 lbs.	100	3,000	.38
840-6	09119	8.5	.130	blue	2	40 lbs.	100	3,000	.38
840-7	09120	8.5	.130	purple	2	40 lbs.	100	3,000	.38
840-8	09121	8.5	.130	gray	2	40 lbs.	100	3,000	.38
1150-2	09122	11.1	.187	red	3	50 lbs.	100	2,000	.54
1450-2	09123	14.1	.187	red	4	50 lbs.	100	2,000	.69

## FLUORESCENT

CAT. NO.	UPC CODE	LENGTH	WIDTH	COLOR	MAX. BUNDLE DIA.	MIN. TENSILE STRENGTH	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
750-16	09131	7.5	.187	orange	1 3/4	50 lbs.	100	3,000	.43
750-18	09133	7.5	.187	green	1 3/4	50 lbs.	100	3,000	.43
840-11	09135	8.5	.130	pink	2	40 lbs.	100	3,000	.38
840-16	09136	8.5	.130	orange	2	40 lbs.	100	3,000	.38
840-17	09137	8.5	.130	yellow	2	40 lbs.	100	3,000	.38
840-18	09138	8.5	.130	green	2	40 lbs.	100	3,000	.38
840-20	09139	8.5	.130	blue	2	40 lbs.	100	3,000	.38
1150-11	09140	11.1	.187	pink	3	50 lbs.	100	2,000	.54
1150-16	09141	11.1	.187	orange	3	50 lbs.	100	2,000	.54
1150-17	09142	11.1	.187	yellow	3	50 lbs.	100	2,000	.54
1150-18	09143	11.1	.187	green	3	50 lbs.	100	2,000	.54
1150-20	09144	11.1	.187	blue	3	50 lbs.	100	2,000	.54

## CABLE TIE CANISTER PACKS



CAT. NO.	UPC CODE	DESCRIPTION OF CONTENTS	LENGTH	BUNDLE DIA.	MIN. TENSILE STRENGTH	PACKAGING		SHPG. WT. LBS./100
						QTY.	CAT. NO.	
CTP-300	09170	100 418 natural	4	7/8	18 lbs.	1	12	1.20
		25 418-2 red	4	7/8	18 lbs.			
		25 418-4 yellow	4	7/8	18 lbs.			
		25 418-5 green	4	7/8	18 lbs.			
		25 418-6 blue	4	7/8	18 lbs.			
		50 840 natural	8	2 1/8	40 lbs.			
		25 840-2 red	8	2 1/8	40 lbs.			
		25 840-6 blue	8	2 1/8	40 lbs.			
CTP-650	09171	100 418 natural	4	7/8	18 lbs.	1	12	2.10
		50 418-2 red	4	7/8	18 lbs.			
		50 418-4 yellow	4	7/8	18 lbs.			
		50 418-5 green	4	7/8	18 lbs.			
		50 418-6 blue	4	7/8	18 lbs.			
		300 840 natural	8	2 1/8	40 lbs.			
		50 1150 natural	11	3 1/8	50 lbs.			
CTP-650N	09173	300 418 natural	4	7/8	18 lbs.	1	12	2.10
		300 840 natural	8	2 1/8	40 lbs.			
		50 1150 natural	11	3 1/8	50 lbs.			
CTP-650B	09174	300 4180 UV black	4	7/8	18 lbs.	1	12	2.10
		300 8400 UV black	8	2 1/8	40 lbs.			
		50 11500 UV black	11	3 1/8	50 lbs.			

## STANDARD MOUNTABLE CABLE TIES (NATURAL)



Standard mountable cable ties are manufactured from natural Nylon 66 and come complete with a mounting hole. Designed for continuous use from -40°F to 185°F (-40°C to 85°C). 94V-2 flammability rating. Black weather resistant mountable

cable ties are also screw mounted, are manufactured from Weather Resistant Nylon 66 and suitable for outdoor use. Designed for continuous use from -40°F to 185°F (-40°C to 85°C). 94V-2 flammability rating.

CATALOG NO.	UPC CODE	LENGTH	WIDTH	MAX. BUNDLE DIA.	MIN. TENSILE STRENGTH	MTG. HOLE	PACKAGING	SHPG. WT. LBS./100
							STD. PKG. STD. CTN.	
530MH	05050	6	.145	1 1/2	40 lbs.	.187	100 1,000	0.45
750MH	05051	8	.165	2 1/4	50 lbs.	.181	100 1,000	0.76
1150MH	05052	11.75	.188	3 1/4	50 lbs.	.191	100 1,000	1.04
1450MH	05053	14.5	.188	4	50 lbs.	.187	100 500	1.58
14120MH	05054	15.5	.310	4 3/4	120 lbs.	.240	100 500	1.77

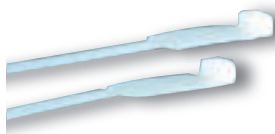
## WEATHER RESISTANT MOUNTABLE CABLE TIES (BLACK)

CATALOG NO.	UPC CODE	LENGTH	WIDTH	MAX. BUNDLE DIA.	MIN. TENSILE STRENGTH	MTG. HOLE	PACKAGING	SHPG. WT. LBS./100
							STD. PKG. STD. CTN.	
5300MH	05055	6	.145	1 1/2	40 lbs.	.187	100 1,000	0.45
7500MH	05056	8	.165	2	50 lbs.	.181	100 1,000	0.76
11500MH	05057	11.75	.188	3 1/4	50 lbs.	.191	100 1,000	1.04
14500MH	05058	14.5	.188	4	50 lbs.	.187	100 500	1.58
141200MH	05059	15.5	.310	4 3/4	120 lbs.	.240	100 500	1.77

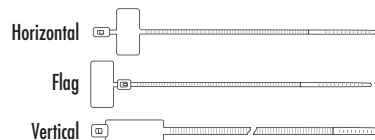
# Wire Management

IDENTIFICATION, RELEASABLE, AIR HANDLING/PUSH MOUNT CABLE TIES

## MARKER TIES

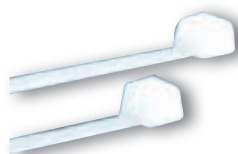


Manufactured from natural colored Nylon 66, Identification ties have an identification area provided as detailed below (see STYLE).



CAT. NO.	UPC CODE	(INCHES)		STYLE	MAX. BUNDLE DIA.	MARKER DIMENSION	MIN.TENSILE STRENGTH	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
		LENGTH	WIDTH							
418-ID	09150	4	.100	vertical	3/4	.312 x .973	18 lbs.	100	1,000	.13
750-ID	09151	7.8	.183	vertical	2	.510 x 1.10	50 lbs.	100	1,000	.34
1050-ID	09155	10.5	.183	vertical	3	.510 x 1.10	50 lbs.	100	1,000	.44
418F-ID	09152	4	.100	flag	3/4	1.00 x .310	18 lbs.	100	1,000	.19
418H-ID	09153	4	.100	horizontal	3/4	1.00 x .310	18 lbs.	100	1,000	.14
818H-ID	09154	8	.100	horizontal	2	1.18 x .590	18 lbs.	100	1,000	.29

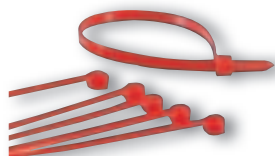
## RELEASABLE CABLE TIES



Releasable ties are manufactured from either natural Nylon 66 or Weather Resistant (see USAGE) Nylon 66, these ties can be easily released and re-used, -40°F to 185°F (-40°C to 85°C).

CAT. NO.	UPC CODE	(INCHES)		COLOR	MAX. BUNDLE DIA.	USAGE	MIN.TENSILE STRENGTH	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
		LENGTH	WIDTH							
850-R	09161	8.0	.210	natural	2	indoor	50 lbs.	100	1,000	.46
1050-R	09162	10.5	.210	natural	2 1/4	indoor	50 lbs.	100	1,000	.52
1450-R	09166	14.5	.190	natural	4	indoor	50 lbs.	100	1,000	.73
8500-R	09164	8.0	.210	black	2	outdoor	50 lbs.	100	1,000	.46
10500-R	09165	10.5	.210	black	2 1/2	outdoor	50 lbs.	100	1,000	.52

## AIR HANDLING CABLE TIES

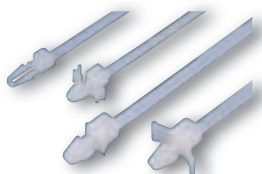


Air handling ties are approved for indoor use in air handling spaces other than plenums and ducts per NFPA-1993. Meets UL 1565 test standards. MIL spec. 3367-1, -7, -2. NEC Sec. 300-22 (C) & (D). Rules 12-010 (3), (4), and (5) and 12-020 of the Canadian Electrical Code.

Part 1. Made of high strength nylon, these ties are self-extinguishing and resist abrasions and chemicals such as oil, greases, solvents, dilute acids and alkalis. Burgundy in color for easy identification. Maximum operating temperature 185° F (85° C).

CAT. NO.	UPC CODE	(INCHES)		MAX. BUNDLE DIA.	MILITARY SPEC. NO.	MIN.TENSILE STRENGTH	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
		LENGTH	WIDTH						
750-P	05080	7.5	.180	1 3/4	MS3367-1-2	50 lbs.	1,000	6,000	.43
1150-P	05081	11.1	.180	3	MS3367-7-2	50 lbs.	1,000	4,000	.54
1450-P	05082	14.2	.180	4	MS3367-2-2	50 lbs.	1,000	4,000	.69
14120-P	05083	14.2	.300	4	MS3367-3-2	120 lbs.	500	2,000	.85

## PUSH MOUNT TIES

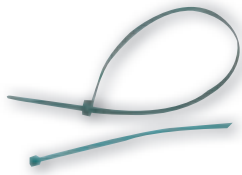


Push mount cable ties allow the installer to secure a cable tie to a back panel quickly and easily, eliminating the possibility of adhesive mount failure. Simply drill the mounting hole and insert. Made of high-strength Nylon 66 that resists abrasion and chemicals such as common oils,

greases, solvents, dilute acids and alkalines. They are fungus-resistant, self-extinguishing and have excellent dielectric properties. Designed for continuous use from -40°F to 185°F (-40°C to 85°C) and will withstand temperatures up to 300°F (149°C). 94V-2 flammability rating.

CAT. NO.	UPC CODE	(INCHES)		MAX. BUNDLE DIA.	MIN.TENSILE STRENGTH	STD. PKG.	STD. CTN.	SHPG. WT. LBS./100
		LENGTH	WIDTH					
640-PM	04196	6.125	.139	1.59	40 lbs.	100	1,000	.20
550-WPM	04197	5.125	.191	1.2	50 lbs.	100	1,000	.34
640-WPM	04198	6.125	.139	1.43	40 lbs.	100	1,000	.22

## TEFZEL CABLE TIES

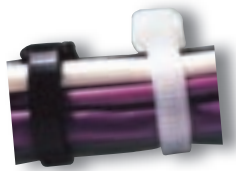


Tefzel cable ties are suitable for extreme environments. They are rated for air handling spaces and chemical, weather and radiation resistant. Ideal for high temperature applications,

up to 302°F continuous operating temperature. UL 94V-0 approved. Aqua blue in color, Temperature range -65°F to 302°F. Melting point 520°F.

CATALOG NO.	UPC CODE	LENGTH (INCHES)	WIDTH (INCHES)	MAX. BUNDLE DIA.	MIN. TENSILE STRENGTH	STD. PKG.	STD. CTN.
TFZ850	09188	7.50	0.19	1.75	50	100	1,000
TFZ1150	09189	11.50	0.19	3	50	100	1,000

## IN-LINE CABLE TIES



In-line cable ties have a low profile head that reduces interference with parallel cable bundles in cable tray runs or equipment feeds (and many other applications).

CATALOG NO.	UPC CODE	IN-LINE TYPE	LENGTH (INCHES)	WIDTH (INCHES)	BUNDLE DIA.	MIN. TENSILE STRENGTH	STD. PKG.	STD. CTN.
IL750	09192	natural	7	0.178	.375 – 1.75	50	100	1,000
IL14120	09193	natural	14	0.300	.563 – 3.50	120	100	500
IL7500	09194	UV black	7	0.178	.375 – 1.75	50	100	1,000

# Wire Management

VELCRO & STAINLESS STEEL

## VELCRO CABLE TIES



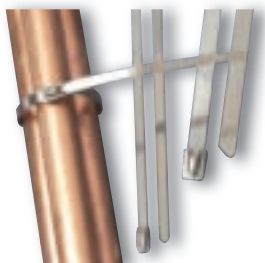
Velcro cable ties offer a unique back-to-back fastening system – a self-gripping, double-sided strap that is easy to use and cost effective. They feature a molded high performance polyethylene hook fastener laminated on to a non-woven polyester loop. The low peel strength allows for easy entry or removal by the user yet the average shear strength is 3.0 psi, which increases

substantially with each circular rotation. Will not over-cinch delicate cable and fiber optics. Applications include cord & cable management, wire harnesses, inventory control, fibre optics, packaging, in-plant maintenance, etc. Available in five colors, ideal for color coding. Allow for a minimum 2" overlap when installing.

CATALOG NO.	UPC CODE	TYPE	WIDTH		BUNDLE DIA. (IN)	COLOR	PIECES PER PKG.	PKGS PER CTN.
			LENGTH	INCHES				
V850	04101	onewrap strap	8"	.5	1.75	black	10	25
V850-2	04102	onewrap strap	8"	.5	1.75	red	10	25
V850-3	04103	onewrap strap	8"	.5	1.75	orange	10	25
V850-4	04104	onewrap strap	8"	.5	1.75	yellow	10	25
V850-6	04105	onewrap strap	8"	.5	1.75	blue	10	25
V1250	04106	onewrap strap	12"	.5	3	black	10	20
V1250-2	04107	onewrap strap	12"	.5	3	red	10	20
V1250-3	04108	onewrap strap	12"	.5	3	orange	10	20
V1250-4	04109	onewrap strap	12"	.5	3	yellow	10	20
V1250-6	04110	onewrap strap	12"	.5	3	blue	10	20
V875	04114	continuous roll	80"	.75	perforated every 8"	black	1	10
V1275	04115	continuous roll	10 ft.	.75	perforated every 12"	black	1	10
V180*	04111	continuous length	15 ft.	.75		black	1	10
V900*	04112	continuous length	75 ft.	.75		black	1	3
V7200*	04113	continuous length	600 ft.	.75		black	1	1

\*Note: Rolls of Velcro tape can be cut to desired length.

## STAINLESS STEEL CABLE TIES



These ties are made of stainless steel grade 304 and are ideally suited for hazardous environments. Stainless steel ties are of a roller-ball design which is self locking and are fast and easy to install. They have smooth edges and will not damage wires, etc. Installation can be either by hand or with a tool. The normal operating temperature is

-80°C to 538°C. Available with a non-toxic, halogen-free polyester coating in a wide choice of colors. Stainless steel ties are also available in Grade 316, for applications that require extremely high corrosion resistance. To order 316SS material, add suffix -316 to part number.

CATALOG NO.	UPC CODE	LENGTH	WIDTH	MAX.BUNDLE DIA.	MIN.TENSILE STRENGTH	PACKAGING		SHPG.WT. LBS./100
						STD. PKG.	STD. CTN.	
SS8100	04150	8	.181	1.97	100 lbs.	100	500	0.57
SS14100	04151	14	.181	3.94	100 lbs.	100	500	0.93
SS14250	04161	14	.311	3.94	250 lbs.	100	500	1.70
SS20100	04152	20.5	.181	5.90	100 lbs.	100	500	1.23
SS20250	04162	20.5	.311	5.90	250 lbs.	100	500	2.20
SS26100	04153	26.5	.181	7.87	100 lbs.	100	500	1.54
SS26250	04163	26.5	.311	7.87	250 lbs.	100	500	2.82
SS33100	04154	33	.181	9.84	100 lbs.	100	500	1.92
SS39100	04155	39	.181	11.81	100 lbs.	100	500	2.29
SS39250	04165	39	.311	11.81	250 lbs.	100	500	3.90
SS47250	04166	47	.311	14.37	250 lbs.	100	500	4.50

### CABLE TIES WITH STAINLESS STEEL BARB ㊄

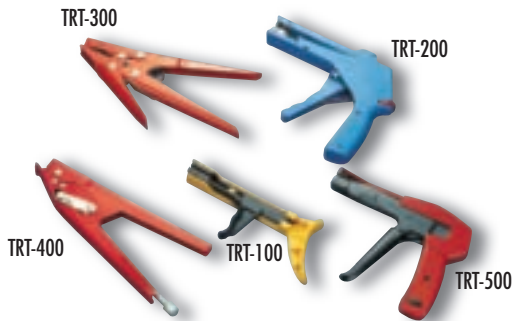


In natural and UV Resistant black, nylon cable ties have stainless steel barb; barb is at 45° pitch with 60° cutting angle, setting strap to desired position to suit all diameters in range. Flexible and resistant at low temperatures and humidity-free environments. Cold and fastening resistances are higher than normal cable tie tolerances.

CAT NO.	UPC CODE	LENGTH	COLOR	TENSILE STRENGTH	QTY.
418-SB	05143	4"	natural	18lbs	100
818-SB	05144	8"	natural	18lbs	100
540-SB	05145	5.5"	natural	40lbs	100
840-SB	05146	8"	natural	40lbs	100
1140-SB	05147	11"	natural	40lbs	100
750-SB	05148	7.5"	natural	50lbs	100
1150-SB	05149	11"	natural	50lbs	100
1450-SB	05150	14"	natural	50lbs	100
14120-SB	05151	14"	natural	120lbs	50

CAT NO.	UPC CODE	LENGTH	COLOR	TENSILE STRENGTH	QTY.
4180-SB	05152	4"	UV resistant black	18lbs	100
8180-SB	05153	8"	UV resistant black	18lbs	100
5400-SB	05154	5.5"	UV resistant black	40lbs	100
8400-SB	05155	8"	UV resistant black	40lbs	100
11400-SB	05156	11"	UV resistant black	40lbs	100
7500-SB	05157	7.5"	UV resistant black	50lbs	100
11500-SB	05158	11"	UV resistant black	50lbs	100
14500-SB	05159	14"	UV resistant black	50lbs	100
141200-SB	05160	14"	UV resistant black	120lbs	100

### CABLE TIE INSTALLATION TOOLS ㊄



#### TRT

Ergonomic, high quality durable cable tie tools suitable for tensile strengths from 18lb through 250lb extra heavy lashing ties.



#### SSCT

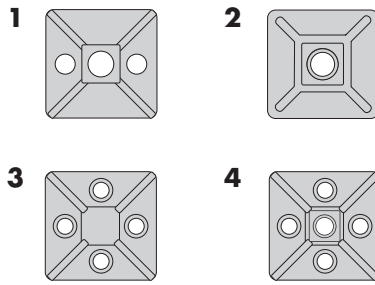
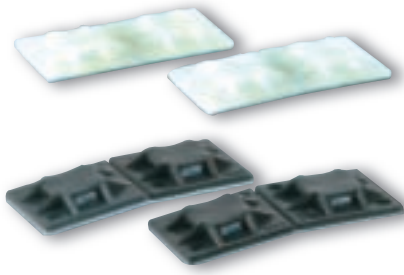
Stainless Steel manual tools are ergonomic, high quality durable cable tie tools suitable for 100lb and 250lb tensile strength stainless steel ties. SSCT-5 has preset tension adjustment control, allowing for uniform tension setting and automatic cutting on each bundle.

CAT NO.	UPC CODE	TOOL DUTY	USAGE	TENSILE STRENGTH (LBS.)	SHPG.WT. LBS. EACH
TRT-100	09175	light weight plastic tool	for use with miniature, intermediate and standard duty cable ties	18-50	0.30
TRT-200	07177	sturdy metal tool	for use with miniature, intermediate and standard duty cable ties	18-50	1.25
TRT-300	09176	heavy duty all-metal tool	for use with miniature up to heavy duty cable ties	18-175	1.25
TRT-400	09199	extra heavy duty all-metal tool	for use with miniature up to extra heavy duty cable ties	18-250	1.50
TRT-500	09179	deluxe cable tie tool	for use with miniature up to standard duty cable ties	18-50	1.40
SSCT-3	16807	stainless steel cable tie tool	for use with 100lb and 250lb stainless steel cable ties	100-250	1.45
SSCT-5	16808	stainless steel cable tie tool	for use with 100lb and 250lb stainless steel cable ties	100-250	1.40

# Wire Management

SADDLE MOUNTS/PUSH MOUNTS FOR CABLE TIES

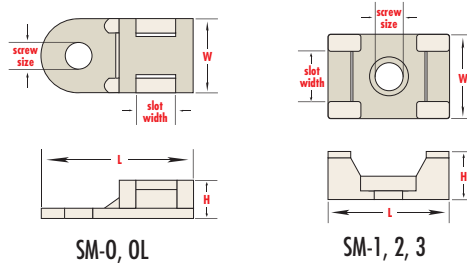
## ADHESIVE CABLE TIE MOUNTS



These mounts are used to route and fasten cable-tied bundles to flat surfaces. Cable ties may be inserted from any of four directions, eliminating orientation time. The top of the mount has a cradle design which allows the bundle to fit snugly and a mounting hole for additional support, where required.

CAT NO.	UPC CODE	FIGURE	LENGTH	WIDTH	HEIGHT	SLOT WIDTH	COLOR	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
FTH5A	05502	1	0.75	0.75	0.14	.140	natural	100	1,000	1
FTH7A	05503	2	1.00	1.00	0.16	.203	natural	100	1,000	2
FTH15A	05570	3	1.50	1.50	0.30	.394	natural	100	1,000	3
FTH20A	05572	4	2.00	2.00	0.50	.500	natural	50	500	4
FTH5A-B	05504	1	0.75	0.75	0.14	.140	black	100	1,000	1
FTH7A-B	05505	2	1.00	1.00	0.16	.203	black	100	1,000	2
FTH15A-B	05571	3	1.50	1.50	0.30	.394	black	100	1,000	3
FTH20A-B	05573	4	2.00	2.00	0.50	.500	black	50	500	4

## SADDLE MOUNTS



Manufactured using UL approved Nylon 66, 94V-2. The saddle design provides maximum stability to wire bundles.

CAT NO.	UPC CODE	SCREW SIZE	LENGTH	WIDTH	HEIGHT	SLOT WIDTH	COLOR	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
SM-0	13200	.133	0.75	0.37	0.20	.20	natural	100	1,000	.10
SM-OL	13201	.204	0.75	0.37	0.20	.20	natural	100	1,000	.10
SM-1	13202	.120	0.59	0.39	0.28	.28	natural	100	1,000	.20
SM-2	13203	.130	0.50	0.28	0.23	.16	natural	100	1,000	.30
SM-3	13204	.236	0.90	0.63	0.35	.35	natural	100	1,000	.50
SM-0-B	13205	.133	0.75	0.37	0.20	.20	black	100	1,000	.10
SM-OL-B	13206	.204	0.75	0.37	0.20	.20	black	100	1,000	.10
SM-1-B	13207	.120	0.59	0.39	0.28	.28	black	100	1,000	.20
SM-2-B	13208	.130	0.50	0.28	0.23	.16	black	100	1,000	.30
SM-3-B	13209	.236	0.90	0.63	0.35	.35	black	100	1,000	.50

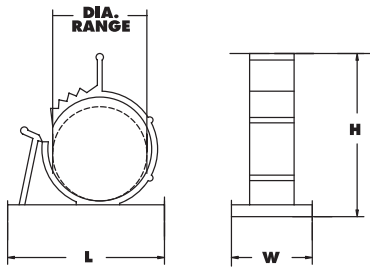
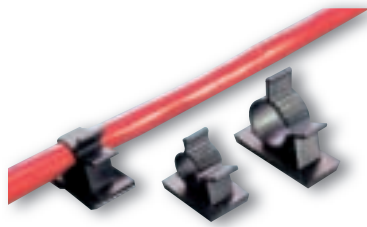
## PUSH MOUNTS/SADDLE MOUNTS



Manufactured using UL approved Nylon 66, 94V-2

CAT NO.	UPC CODE	FIGURE	LENGTH (INCHES)	WIDTH (INCHES)	HEIGHT (INCHES)	SLOT WIDTH (INCHES)	MOUNTING HOLE DIA. (INCHES)	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
PTM-1	13221	1	0.25	0.25	0.25	.16	.19	100	1,000	.10
PTM-2	13222	2	0.25	0.25	0.25	.20	.30	100	1,000	.23
PTM-3	13223	1	0.25	0.25	0.25	.26	.33	100	1,000	.27
PMCC-1	13228	5	0.44	0.53	0.31	n/a	.52	100	1,000	.25
TTPM-1	13229	6	n/a	0.44	0.71/1.18	n/a	.19	100	1,000	.20

### SELF ADHESIVE ADJUSTABLE CABLE CLAMPS



These clamps are adjustable to accommodate various sizes of cables. They are easy to install and open for unlimited usage. Manufactured using UL approved Nylon 66, 94V-2 and have an adhesive tape backing.

CAT NO.	UPC CODE	LENGTH	(INCHES) WIDTH	HEIGHT	DIAMETER RANGE	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
ADJCC-1	13233	1.00	0.75	0.87	.31 to .40	100	1,000	.50
ADJCC-2	13234	1.00	0.75	1.09	.39 to .49	100	1,000	.60
ADJCC-3	13235	1.50	0.75	1.25	.50 to .60	100	1,000	1.00
ADJCC-4	13236	1.65	1.00	1.75	.65 to .79	100	1,000	1.50
ADJCC-5	13237	1.65	1.00	1.75	.87 to 1.00	100	1,000	1.60

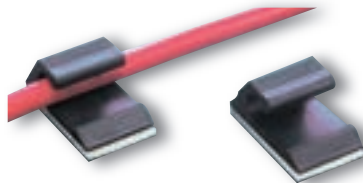
### SCREW MOUNT CABLE CLIP



Mechanically mounted clip holds cords, cables or tubing securely in place, eliminating the need for a cable tie. Manufactured using UL approved Nylon 66, 94V-2.

CAT NO.	UPC CODE	SCREW SIZE	(INCHES) LENGTH	(INCHES) WIDTH	HEIGHT	SLOT WIDTH	COLOR	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
SMCC-1	13243	.196	0.75	0.75	.236	.173 x .173	natural	100	1,000	.70

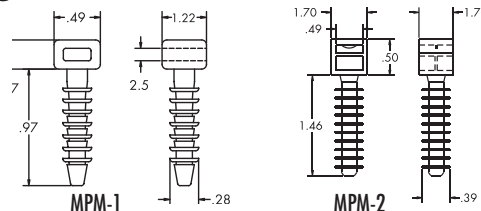
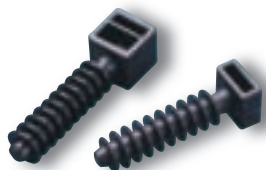
### SELF ADHESIVE CATV SIDING CLIP



Specifically designed for installation of 1/4" diameter cable (RG-59 or RG-6U). Manufactured using UL approved Nylon 66, 94V-2, backed with adhesive tape.

CAT NO.	UPC CODE	LENGTH	(INCHES) WIDTH	HEIGHT	SLOT HEIGHT	COLOR	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
CATV-1	13244	0.83	0.50	0.36	.25	black	100	1,000	.25

### MASONRY PUSH MOUNTS



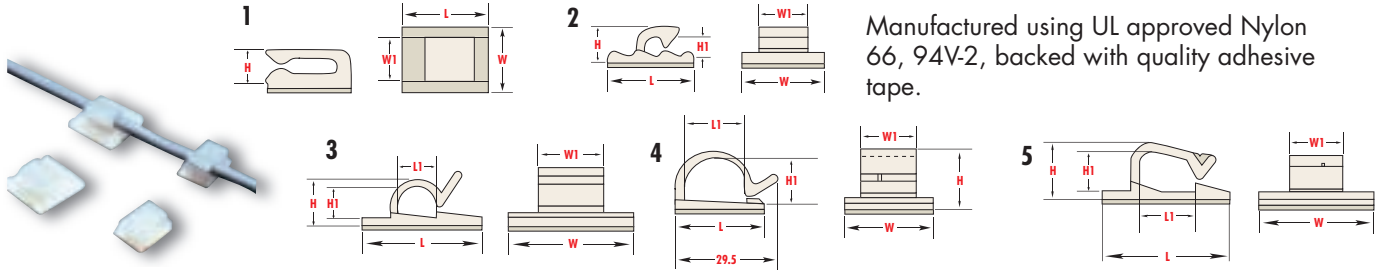
Manufactured using UL approved Nylon 66, 94V-2. Installs in masonry surfaces. Simply pre-drill a mounting hole, hammer the push mount in, then feed a cable tie through the head. Simple, fast and easy.

CAT NO.	UPC CODE	CABLE TIE WIDTH ACCEPTABLE	THREAD LENGTH	OVERALL WIDTH	THREAD WIDTH	HEAD SIZE L X W	STD. PKG.	STD. CTN.	SHPG.WT. LBS./100
MPM-1	13251	.39	0.97	1.22	0.28	.49 x .47	100	500	.40
MPM-2	13252	.38	1.46	1.70	0.39	.50 x .49	100	500	.50

# Wire Management

CORD CLIPS/HEAVY DUTY NYLON CABLE CLAMPS/SNAP RIVETS

## SELF ADHESIVE CORD CLIPS



Manufactured using UL approved Nylon 66, 94V-2, backed with quality adhesive tape.

CAT NO.	UPC CODE	FIGURE NO.	LENGTH	WIDTH	HEIGHT	SLOT SIZE	STD. PKG.	STD. PKG.	SHPG.WT. LBS/100
ACC-1	13245	1	0.52	0.37	0.21	.35 x .11	100	1,000	0.10
ACC-2	13246	2	0.63	0.61	0.27	.16 x .16	100	1,000	0.20
ACC-3	13247	3	0.75	0.75	0.28	.23 x .19	100	1,000	0.60
ACC-4	13248	4	1.00	1.00	0.68	.70 x .53	100	1,000	0.80

## NYLON CABLE CLAMPS - HEAVY DUTY



Heavy duty clamps are made from Nylon 66, 94V-2 rated. Designed to hold cables, tubes, etc. These clamps have fully radiused interior edges to protect cable insulation. Non-conductive, non-corrosive, resistant to fuels, lubricants and most chemicals. Complete with .180" mounting hole.

CAT NO.	UPC CODE	COLOR	DIA.	(INCHES) WIDTH	LENGTH	DIA.	(MM) WIDTH	LENGTH	STD. PKG.	CARTON QTY.
NCH-250	13020	natural	0.250	.500	0.79	6.3	12.7	19.8	100	1,200
NCH-250-0	13050	black	0.250	.500	0.79	6.3	12.7	19.8	100	1,200
NCH-312	13021	natural	0.312	.500	0.86	7.9	12.7	21.8	100	1,200
NCH-312-0	13051	black	0.312	.500	0.86	7.9	12.7	21.8	100	1,200
NCH-375	13022	natural	0.375	.472	0.94	9.5	12.0	24.0	100	1,200
NCH-375-0	13052	black	0.375	.472	0.94	9.5	12.0	24.0	100	1,200
NCH-437	13023	natural	0.437	.500	1.08	11.1	12.7	27.4	100	1,200
NCH-437-0	13123	black	0.437	.500	1.08	11.1	12.7	27.4	100	1,200
NCH-500	13024	natural	0.500	.472	1.22	12.7	12.0	31.0	100	1,200
NCH-500-0	13054	black	0.500	.472	1.22	12.7	12.0	31.0	100	1,200
NCH-562	13025	natural	0.562	.500	1.28	14.3	12.7	32.5	100	1,200
NCH-562-0	13058	black	0.562	.500	1.28	14.3	12.7	32.5	100	1,200
NCH-625	13026	natural	0.625	.472	1.35	15.8	12.0	34.3	100	1,200
NCH-625-0	13059	black	0.625	.472	1.35	15.8	12.0	34.3	100	1,200
NCH-750	13028	natural	0.750	.472	1.38	19.4	12.0	35.0	100	1,200
NCH-750-0	13055	black	0.750	.472	1.38	19.4	12.0	35.0	100	1,200
NCH-1000	13031	natural	1.000	.472	1.69	25.4	12.0	43.0	100	1,200
NCH-1250	13034	natural	1.250	.472	1.82	31.8	12.0	46.2	50	600
NCH-1250-0	13057	black	1.250	.472	1.82	31.8	12.0	46.2	50	600

## SNAP RIVETS



CAT. NO.	UPC CODE	HOLE DIAMETER	INSERT DEPTH	STD. PKG.	STD. CTN.
SR-1	16379	.244	.484	100	1,000

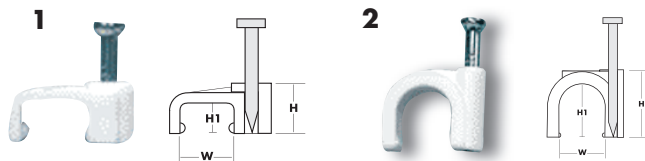
## NYLON CABLE CLAMPS - STANDARD DUTY



Standard duty clamps are similar to heavy duty nylon cable clamps, except narrower in width. Made from Nylon 66. 94 V-2 rated. Complete with 0.180" mounting hole.

CAT NO.	UPC CODE	COLOR	DIA.	(INCHES) WIDTH	LENGTH	DIA.	(MM) WIDTH	LENGTH	STD. PKG.	STD. CTN.
NC-125	13000	natural	.125	.378	0.78	3.2	9.6	19.8	100	1,200
NC-125-0	13100	black	.125	.378	0.78	3.2	9.6	19.8	100	1,200
NC-187	13001	natural	.187	.378	0.78	4.8	9.6	19.8	100	1,200
NC-187-0	13101	black	.187	.378	0.78	4.8	9.6	19.8	100	1,200
NC-250	13002	natural	.250	.394	0.79	6.3	10.0	20.0	100	1,200
NC-250-0	13102	black	.250	.394	0.79	6.3	10.0	20.0	100	1,200
NC-312	13003	natural	.312	.394	0.86	7.9	10.0	22.0	100	1,200
NC-312-0	13103	black	.312	.394	0.86	7.9	10.0	22.0	100	1,200
NC-375	13004	natural	.375	.375	0.94	9.5	9.5	24.0	100	1,200
NC-375-0	13104	black	.375	.375	0.94	9.5	9.5	24.0	100	1,200
NC-437	13005	natural	.437	.375	1.08	11.1	9.5	27.4	100	1,200
NC-437-0	13105	black	.437	.375	1.08	11.1	9.5	27.4	100	1,200
NC-500	13006	natural	.500	.375	1.22	12.7	9.5	31.0	100	1,200
NC-500-0	13106	black	.500	.375	1.22	12.7	9.5	31.0	100	1,200

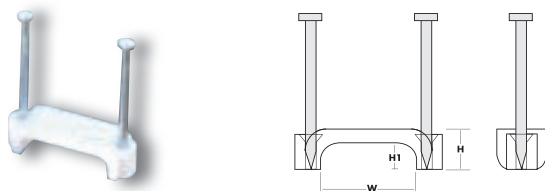
## POLYETHYLENE NAIL CLIPS



Made from impact resistant, non-corrosive polyethylene. Supplied with corrosion resistant, hardened steel nails already inserted for ease-of-use. The smooth polyethylene surface prevents damage to the insulation.

CAT NO.	UPC CODE	COLOR	FIG. NO.	(INCHES) WIDTH	(INCHES) HEIGHT	(INCHES) HEIGHT 1	(MM) WIDTH	(MM) HEIGHT	(MM) HEIGHT 1	STD. QTY.	STD. CTN.
PNC-217W	14300	white	1	.217	.216	.122	5.5	5.5	3.1	100	1,000
PNC-335W	14301	white	1	.335	.315	.205	8.5	8.0	5.2	100	1,000
PNC-157G	14302	grey	2	.157	.260	.165	4.0	6.6	4.2	100	1,000
PNC-197G	14303	grey	2	.197	.299	.206	5.0	7.6	5.3	100	1,000
PNC-236G	14304	grey	2	.236	.354	.260	6.0	9.0	6.6	100	1,000
PNC-315G	14305	grey	2	.315	.453	.339	8.0	11.5	8.6	100	1,000
PNC-391G	14306	grey	2	.391	.528	.413	10.0	13.4	10.5	100	1,000

## NAIL-ON PLASTIC STAPLES FOR ROMEX CABLE



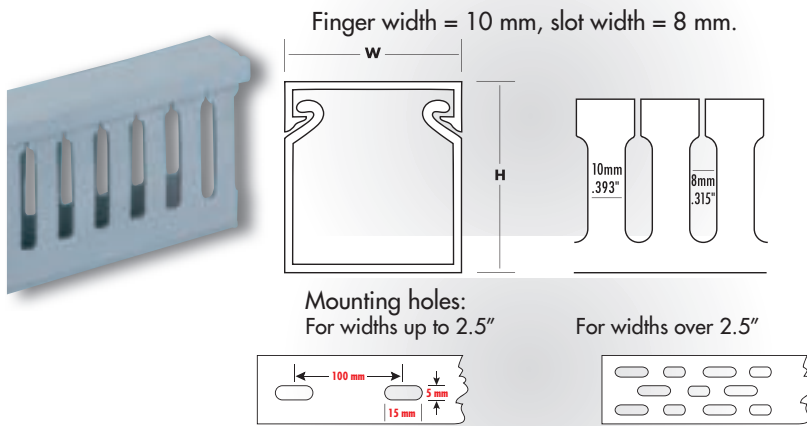
PNC-492W is suitable for use with 14/2, 14/3, or 12/2. PNC-736W is suitable for use with 12/3, 10/2, or 10/3.

CAT NO.	UPC CODE	COLOR	FIG. NO.	(INCHES) WIDTH	(INCHES) HEIGHT	(INCHES) HEIGHT 1	(MM) WIDTH	(MM) HEIGHT	(MM) HEIGHT 1	STD. QTY.	STD. CTN.
PNC-492W	14307	white	3	.492	.315	.209	12.5	8.0	5.3	500	5,000
PNC-736W	14308	white	3	.736	.315	.209	18.7	8.0	5.3	500	3,000

# Wire Management

## STANDARD SLOT PANEL CHANNEL

### STANDARD SLOT PANEL CHANNEL



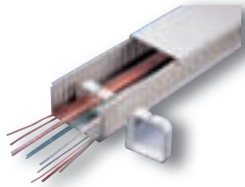
Made from high-impact, self-extinguishing, warp-proof PVC for the routing of wires. The restricted slot opening is designed to retain wires and allow for breakout when required. Individual wires are easily traced and removed when necessary. Scored sidewalls allow for easy break-off of Panel Channel sections.

All sizes are supplied complete with mounting holes and non-slip, snap-on and off covers. Optional adhesive backing is available, see page 14. Maximum service temperature: 85°C.

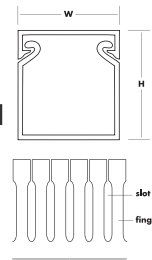
Tested to UL File up to 50°C. 94V-O Rated. For sizes not listed, please contact NSi.

CAT NO.	UPC CODE	COLOR	NOMINAL SIZE	WIDTH (INCHES)	HEIGHT (MM)	LENGTH WIDTH	STD. HEIGHT	SHPG.WT. (FEET)	CTN.	LBS./CTN.
PC7575-LS	09587	grey	3/4 x 3/4	.75	.75	20	20	6	72 ft.	7
PC7575-LS-W	09588	white	3/4 x 3/4	.75	.75	20	20	6	72 ft.	7
PC1010-LS	09500	grey	1 x 1	.984	1.18	25	30	6	72 ft.	14
PC1010-LS-W	09501	white	1 x 1	.984	1.18	25	30	6	72 ft.	14
PC1015-LS	09503	grey	1 x 1 1/2	.984	1.57	25	40	6	72 ft.	16
PC1015-LS-W	09504	white	1 x 1 1/2	.984	1.57	25	40	6	72 ft.	16
PC1020-LS	09506	grey	1 x 2	.984	1.97	25	50	6	72 ft.	21
PC1020-LS-W	09508	white	1 x 2	.984	1.97	25	50	6	72 ft.	21
PC1030-LS	09509	grey	1 x 3	.984	2.95	25	75	6	72 ft.	29
PC1030-LS-W	09511	white	1 x 3	.984	2.95	25	75	6	72 ft.	29
PC1040-LS	09512	grey	1 x 4	1.30	3.94	33	100	6	72 ft.	35
PC1040-LS-W	09513	white	1 x 4	1.30	3.94	33	100	6	72 ft.	35
PC1515-LS	09515	grey	1 1/2 x 1 1/2	1.57	1.57	40	40	6	72 ft.	18
PC1515-LS-W	09516	white	1 1/2 x 1 1/2	1.57	1.57	40	40	6	72 ft.	18
PC1520-LS	09518	grey	1 1/2 x 2	1.49	1.97	38	50	6	72 ft.	22
PC1520-LS-W	09520	white	1 1/2 x 2	1.49	1.97	38	50	6	72 ft.	22
PC1530-LS	09521	grey	1 1/2 x 3	1.57	3.14	40	80	6	72 ft.	30
PC1530-LS-W	09523	white	1 1/2 x 3	1.57	3.14	40	80	6	72 ft.	30
PC1540-LS	09524	grey	1 1/2 x 4	1.57	3.94	40	100	6	72 ft.	36
PC1540-LS-W	09525	white	1 1/2 x 4	1.57	3.94	40	100	6	72 ft.	36
PC2010-LS	09527	grey	2 x 1 1/2	2.36	1.57	60	40	6	72 ft.	22
PC2010-LS-W	09528	white	2 x 1 1/2	2.36	1.57	60	40	6	72 ft.	22
PC2020-LS	09530	grey	2 x 2	1.97	1.97	50	50	6	72 ft.	27
PC2020-LS-W	09532	white	2 x 2	1.97	1.97	50	50	6	72 ft.	27
PC2030-LS	09533	grey	2 x 3	1.97	2.95	50	75	6	72 ft.	32
PC2030-LS-W	09535	white	2 x 3	1.97	2.95	50	75	6	72 ft.	32
PC2040-LS	09536	grey	2 x 4	1.89	3.94	48	100	6	72 ft.	42
PC3020-LS	09542	grey	3 x 2	3.14	2.36	80	60	6	72 ft.	34
PC3020-LS-W	09543	white	3 x 2	3.14	2.36	80	60	6	72 ft.	34
PC3030-LS	09545	grey	3 x 3	2.95	2.95	75	75	6	36 ft.	21
PC3040-LS	09548	grey	3 x 4	2.95	3.94	75	100	6	36 ft.	24
PC3040-LS-W	09550	white	3 x 4	2.95	3.94	75	100	6	36 ft.	24
PC4020-LS	09551	grey	4 x 2	3.94	1.97	100	50	6	36 ft.	22
PC4020-LS-W	09552	white	4 x 2	3.94	1.97	100	50	6	36 ft.	22
PC4030-LS	09554	grey	4 x 3	3.94	3.14	100	80	6	36 ft.	25
PC4030-LS-W	09555	white	4 x 3	3.94	3.14	100	80	6	36 ft.	25
PC4040-LS	09557	grey	4 x 4	3.94	3.94	100	100	6	36 ft.	30
PC4040-LS-W	09559	white	4 x 4	3.94	3.94	100	100	6	36 ft.	30
PC6040-LS-W	09590	white	6 x 4	6.0	4.0	150	100	6	36 ft.	48

### NARROW FINGER PANEL CHANNEL (HIGH DENSITY)



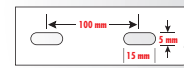
Similar to our standard slot panel channel except the finger width is 6 mm and the slot width is 4mm Made from high-impact, self-extinguishing, warp-proof PVC. Optional adhesive backing is available, see page 14. Maximum service temperature: 85°C. Tested to UL File up to 50°C. 94V-O rated.



Finger width = 6 mm, Slot width = 4 mm, but Slot width = 5 mm in both white and grey of 1020, 2020, 2030, 2040

Mounting holes:  
For widths up to 2.5"

For widths over 2.5"

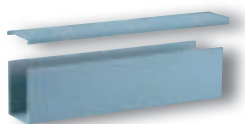


CAT NO.	UPC CODE	COLOR	NOMINAL SIZE	(INCHES)		(MM)		LENGTH (FEET)	STD. CTN.	SHPG. WT. LBS./6 FT.
				WIDTH	HEIGHT	WIDTH	HEIGHT			
PC75.75-LSN	09330	grey	3/4 x 3/4	0.787	0.787	20	20	6	72 ft.	0.5
PC75.75-LSN-W	09331	white	3/4 x 3/4	0.787	0.787	20	20	6	72 ft.	0.5
PC1010-LSN	09332	grey	1 x 1	0.984	0.984	25	25	6	72 ft.	0.7
PC1010-LSN-W	09333	white	1 x 1	0.984	0.984	25	25	6	72 ft.	0.7
PC1015-LSN	09336	grey	1 x 1 1/2	0.984	1.57	25	40	6	72 ft.	1.0
PC1015-LSN-W	09337	white	1 x 1 1/2	0.984	1.57	25	40	6	72 ft.	1.0
PC10175-LSN	09338	grey	1 x 1 3/4	0.984	1.77	25	45	6	72 ft.	0.9
PC10175-LSN-W	09339	white	1 x 1 3/4	0.984	1.77	25	45	6	72 ft.	0.9
PC1020-LSN	09340	grey	1 x 2	0.984	2.36	25	60	6	72 ft.	1.2
PC1020-LSN-W	09341	white	1 x 2	0.984	2.36	25	60	6	72 ft.	1.2
PC10250-LSN	09342	grey	1 x 2 1/2	0.984	2.56	25	65	6	72 ft.	1.2
PC10250-LSN-W	09343	white	1 x 2 1/2	0.984	2.56	25	65	6	72 ft.	1.2
PC1030-LSN	09585	grey	1 x 3	0.984	3.15	25	80	6	72 ft.	1.3
PC1030-LSN-W	09586	white	1 x 3	0.984	3.15	25	80	6	72 ft.	1.3
PC1515-LSN	09345	grey	1 1/2 x 1 1/2	1.57	1.57	40	40	6	72 ft.	1.4
PC1515-LSN-W	09346	white	1 1/2 x 1 1/2	1.57	1.57	40	40	6	72 ft.	1.4
PC1520-LSN	09347	grey	1 1/2 x 2	1.57	2.36	40	60	6	72 ft.	1.8
PC1520-LSN-W	09348	white	1 1/2 x 2	1.57	2.36	40	60	6	72 ft.	1.8
PC1530-LSN	09349	grey	1 1/2 x 3	1.57	3.15	40	80	6	72 ft.	2.1
PC1530-LSN-W	09350	white	1 1/2 x 3	1.57	3.15	40	80	6	72 ft.	2.1
PC1540-LSN	09351	grey	1 1/2 x 4	1.57	3.94	40	100	6	72 ft.	2.6
PC1540-LSN-W	09352	white	1 1/2 x 4	1.57	3.94	40	100	6	72 ft.	2.6
PC175175-LSN	09353	grey	1 3/4 x 1 3/4	1.77	1.77	45	45	6	72 ft.	1.4
PC175175-LSN-W	09354	white	1 3/4 x 1 3/4	1.77	1.77	45	45	6	72 ft.	1.4
PC2015-LSN	09355	grey	2 x 1 1/2	2.36	1.57	60	40	6	72 ft.	1.5
PC2015-LSN-W	09356	white	2 x 1 1/2	2.36	1.57	60	40	6	72 ft.	1.5
PC2020-LSN	09357	grey	2 x 2	1.97	1.97	50	50	6	72 ft.	1.6
PC2020-LSN-W	09358	white	2 x 2	1.97	1.97	50	50	6	72 ft.	1.6
PC2030-LSN	09359	grey	2 x 3	2.36	3.15	60	80	6	72 ft.	2.8
PC2030-LSN-W	09360	white	2 x 3	2.36	3.15	60	80	6	72 ft.	2.8
PC2040-LSN	09361	grey	2 x 4	2.36	3.94	60	100	6	72 ft.	3.0
PC2040-LSN-W	09362	white	2 x 4	2.36	3.94	60	100	6	72 ft.	3.0
PC3020-LSN	09363	grey	3 x 2	3.15	2.36	80	60	6	72 ft.	3.1
PC3020-LSN-W	09364	white	3 x 2	3.15	2.36	80	60	6	72 ft.	3.1
PC3030-LSN	09365	grey	3 x 3	3.15	3.15	80	80	6	36 ft.	3.8
PC3030-LSN-W	09366	white	3 x 3	3.15	3.15	80	80	6	36 ft.	3.8
PC3040-LSN	09367	grey	3 x 4	3.15	3.94	80	100	6	36 ft.	4.3
PC3040-LSN-W	09368	white	3 x 4	3.15	3.94	80	100	6	36 ft.	4.3
PC4020-LSN	09369	grey	4 x 2	3.94	2.36	100	60	6	36 ft.	3.5
PC4020-LSN-W	09370	white	4 x 2	3.94	2.36	100	60	6	36 ft.	3.5
PC4030-LSN	09371	grey	4 x 3	3.94	3.15	100	80	6	36 ft.	4.0
PC4030-LSN-W	09372	white	4 x 3	3.94	3.15	100	80	6	36 ft.	4.0
PC4040-LSN	09373	grey	4 x 4	3.94	3.94	100	100	6	36 ft.	4.2
PC4040-LSN-W	09374	white	4 x 4	3.94	3.94	100	100	6	36 ft.	4.2

# Wire Management

SOLID WALL PANEL CHANNEL/DUCT CUTTING TOOLS/FLOOR DUCT

## SOLID WALL PANEL CHANNEL

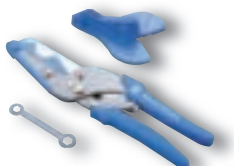


Made from high-impact, self-extinguishing, warp-proof PVC for the routing of wires where wire extraction is not necessary. All sizes are supplied complete with mounting holes and non-slip, snap-on and off covers. Optional

adhesive backing is available. Maximum service temperature: 85°C. Tested to UL File up to 50°C. 94V-O Rated. For sizes not listed, please contact NSi.

CAT NO.	UPC CODE	COLOR	NOMINAL SIZE (IN)	WIDTH (INCHES)	(INCHES)		(MM)		STD. CTN.	SHPG.WT. LBS./100
					WIDTH	HEIGHT	WIDTH	HEIGHT		
PC1010	09400	grey	1 x 1	1.25	1.12	31	28	6	72 ft.	15
PC1010-W	09401	white	1 x 1	1.25	1.12	31	28	6	72 ft.	15
PC1015	09403	grey	1 x 1 1/2	.984	1.57	25	40	6	72 ft.	19
PC1015-W	09502	white	1 x 1 1/2	1.25	1.62	31	41	6	72 ft.	19
PC1020	09406	grey	1 x 2	.984	1.97	25	50	6	72 ft.	24
PC1020-W	09505	white	1 x 2	1.25	2.12	31	54	6	72 ft.	24
PC2010	09427	grey	2 x 1	2.25	1.12	57	28	6	72 ft.	22
PC2010-W	09529	white	2 x 1	2.25	1.12	57	28	6	72 ft.	22
PC2020	09430	grey	2 x 2	1.97	1.97	50	50	6	72 ft.	32
PC2030	09433	grey	2 x 3	1.97	2.95	50	75	6	72 ft.	37
PC2030-W	09544	white	2 x 3	2.25	3.12	57	79	6	72 ft.	37
PC3020	09442	grey	3 x 2	2.25	3.12	57	79	6	72 ft.	38
PC3020-W	09553	white	3 x 2	3.25	2.12	82	54	6	72 ft.	38
PC3030	09445	grey	3 x 3	2.95	2.95	75	75	6	36 ft.	25
PC3030-W	09556	white	3 x 3	3.25	3.12	82	79	6	36 ft.	25
PC4030	09454	grey	4 x 3	3.94	3.14	100	80	6	36 ft.	28
PC4040	09457	grey	4 x 4	3.94	3.94	100	100	6	36 ft.	28

## DUCT CUTTING TOOLS



CAT. NO.	UPC CODE	DESCRIPTION	STD. PKG.	STD. CTN.
DCT-1	16496	standard duty (not shown)	1	6
DCT-2	16497	heavy duty	1	6

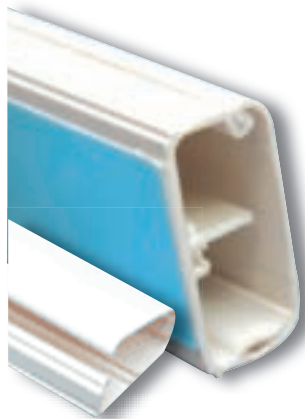
## FLOOR DUCT



2.5" and 4" wide floor duct for use as safe temporary enclosure of electrical cords, data communications cables and other objects that present a trip hazard. Manufactured using soft PVC.

CATALOG NO.	UPC CODE	COLOR	LENGTH (FEET)	WIDTH (IN)		HEIGHT (IN)		STD. CTN.
				I.D.	O.D.	I.D.	O.D.	
FD250W	16400	off white	6	0.75	2.60	0.43	0.60	18 feet
FD250B	16401	brown	6	0.75	2.60	0.43	0.60	18 feet
FD250K	16402	black	6	0.75	2.60	0.43	0.60	18 feet
FD400W	16403	off white	6	1.16	4.00	0.61	0.91	18 feet
FD400B	16404	brown	6	1.16	4.00	0.61	0.91	18 feet
FD400K	16405	black	6	1.16	4.00	0.61	0.91	18 feet

### ONE-PIECE 600V LATCHING DUCT

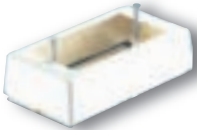
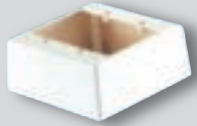



One-piece surface raceway is made from high-impact PVC and is UL Listed for power applications up to 600 volts. 94V-0 rated. Meets UL's strict impact test requirements and features a reinforcing arm which prevents crushing and accidental opening on impact. Can be opened and closed repeatedly without cracking. Base is covered with a high-performance adhesive to guarantee secure

installation. May be painted with a latex-based paint. Accessories feature a patented connection system which allows for perfect installation every time. Supplied in standard 6 and 8 foot lengths. Standard colors are off white, white and electric ivory. Note: 600V CAT 5E/6 Compliant fittings are available.

CATALOG NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.	WIDTH (IN.)		HEIGHT(IN.)		LENGTH (FEET)
					I.D.	O.D.	I.D.	O.D.	
LD50	16001	1/2"	off white	120 ft	0.43	0.66	0.37	0.48	6
LD50-8	16120	1/2"	off white	120 ft	0.43	0.66	0.37	0.48	8
LD50W	16004	1/2"	white	120 ft	0.43	0.66	0.37	0.48	6
LD50W-8	16121	1/2"	white	120 ft	0.43	0.66	0.37	0.48	8
LD100	16002	1"	off white	120 ft	1.18	1.40	0.48	0.60	6
LD100-8	16124	1"	off white	120 ft	1.18	1.40	0.48	0.60	8
LD100W	16005	1"	white	120 ft	1.18	1.40	0.48	0.60	6
LD100W-8	16125	1"	white	120 ft	1.18	1.40	0.48	0.60	8
LD200	16301	2"	off white	120 ft	2.18	2.35	0.62	0.75	6
LD200-8	16128	2"	off white	120 ft	2.18	2.35	0.62	0.75	8
LD200W	16302	2"	white	120 ft	2.18	2.35	0.62	0.75	6







### JUNCTION BOXES






	CATALOG NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.	DESCRIPTION
<b>SINGLE GANG</b>						
	LDJB-1	16091	1/2 -2"	off white	4	Junction boxes with pre-scored knockouts on all four sides. Standard NEMA mounting pattern. Will accommodate electrical, phone and datacom devices and plates. LDJB-1=1" depth; LDJB-1.5 = 1.5" depth; LDJB-2 = 2" depth.
	LDJB-1W	16085	1/2 -2"	white	4	
	LDJB-1.5	16087	1/2 -1"	off white	4	
	LDJB-1.5W	16088	1/2 -1"	white	4	
	LDJB-2	16092	1/2 -2"	off white	2	
	LDJB-2W	16086	1/2 -2"	white	2	
<b>DOUBLE GANG</b>						
	LD2JB-1.5	16096	1/2 -2"	off white	2	Double gang junction boxes with pre-scored knockouts on all four sides. Standard NEMA mounting pattern. Will accommodate electrical, phone and datacom devices and plates. Depth is 1 1/2".
	LD2JB-1.5W	16089	1/2 -2"	white	2	
<b>ROUND BOXES</b>						
	LDJB-R	16093	1/2 -2"	off white	2	Round box for mounting smoke alarm, ceiling fan, light fixture. Two knockouts for 1" duct and two for 1/2" duct. 1 1/4" depth, 5 3/4" diameter.
	LDJB-RW	16090	1/2 -2"	white	2	

# Wire Management




ONE-PIECE LATCHING DUCT/JUNCTION BOXES, CATEGORY 5E/FIBER RATED FITTINGS




## ONE-PIECE 600V LATCHING DUCT - STANDARD FITTINGS

	CAT. NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.
 90 DEGREE ELBOW	LDEL50	16061	1/2"	off white	10
	LDEL50W	16062	1/2"	white	10
	LDEL100	16062	1"	off white	10
	LDEL100W	16064	1"	white	10
 TEE FITTING	LDTC50	16071	1/2"	off white	10
	LDTC50W	16073	1/2"	white	10
	LDTC100	16072	1"	off white	10
	LDTC100W	16074	1"	white	10
 TEE REDUCING FITTING (1" TO 1/2")	LDTCR100	16082	1"	off white	5
	LDTCR100W	16083	1"	white	5
 INTERNAL ELBOW	LDIC50	16011	1/2"	off white	10
	LDIC50W	16013	1/2"	white	10
	LDIC100	16012	1"	off white	10
	LDIC100W	16014	1"	white	10
 EXTERNAL ELBOW	LDEC50	16021	1/2"	off white	10
	LDEC50W	16023	1/2"	white	10
	LDEC100	16022	1"	off white	10
	LDEC100W	16024	1"	white	10
 MOUNTING CLIP	LDMC50	15990	1/2"	off white	10
	LDMC50W	15991	1/2"	white	10
	LDMC100W	15994	1"	white	10
	LDMC200W	15997	2"	white	5

	CAT. NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.
 END CAP	LDEN50	16031	1/2"	off white	10
	LDEN50W	16033	1/2"	white	10
	LDEN100	16032	1"	off white	10
	LDEN100W	16034	1"	white	10
	LDEN200	16311	2"	off white	5
	LDEN200W	16312	2"	white	5
 END CAP REDUCING FITTING	LDECR200-100W	16160	2 to 1"	white	5
 SPLICE COVER	LDSC50W	16053	1/2"	white	10
	LDSC100	16052	1"	off white	10
	LDSC100W	16054	1"	white	10
	LDSC200	16313	2"	off white	5
 WIRE RETAINER	LDWR100	16058	1"	off white	10
	LDWR100W	16059	1"	white	10
 DIVIDER 1" LATCHING DUCT ONLY	LDCT100	16037	1"	off white	10

## CATEGORY 5E - FIBER RATED FITTINGS

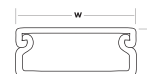
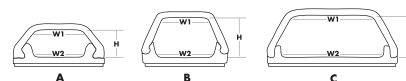
	CAT. NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.
 END ENTRANCE FITTING	LDCA100	16094	1"	off white	2
	LDCA100W	16095	1"	white	2
 DROP CEILING FITTING	LDCS50W	16186	1/2"	white	10
	LDCS100	16042	1"	off white	10
	LDCS100W	16044	1"	white	10
 90 DEGREE ELBOW 1 1/2" BEND RADIUS	LDFEL100	16048	1"	off white	5
	LDFEL200	16169	2"	off white	5
	LDFEL200W	16170	2"	white	5

	CAT. NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.
 TEE FITTING 1 1/2" BEND RADIUS	LDFTC100	16046	1"	off white	5
	LDFTC200	16173	2"	off white	5
	LDFTC200W	16174	2"	white	5
 INTERNAL ELBOW 1 1/2" BEND RADIUS	LDFIC200	16177	2"	off white	5
 EXTERNAL ELBOW 1 1/2" BEND RADIUS	LDFEC200	16181	2"	off white	5
	LDFEC200W	16182	2"	white	5

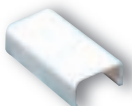

### TWO-PIECE SURFACE RACEWAY






Made from rigid, self-extinguishing PVC. All sizes feature the same height. Standard color is white but other colors are available. Contact NSi for details. Connector pieces are made from ABS.

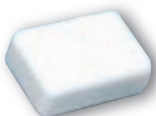


CATALOG NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.	(INCHES)		WIDTH (MM)	HEIGHT	LENGTH (FEET)
					WIDTH	HEIGHT			
SR050	16200	1/2"	white	20	0.50	.433	12.7	11	6.5
SR075	16201	3/4"	white	20	0.75	.433	19.0	11	6.5
SR100	16202	1"	white	20	1.00	.433	25.4	11	6.5
SR125	16203	1 1/4"	white	20	1.25	.433	31.8	11	6.5
SR150*	16204	1 1/2"	white	20	1.50	.433	38.1	11	6.5
SR200*	16205	2"	white	20	2.00	.433	50.8	11	6.5

	CAT. NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.
 SPLICE	SRS075	16207	3/4"	white	10
	SRS100	16208	1"	white	10
	SRS125	16209	1 1/4"	white	10
 "T" TAP	SRT050	16210	1/2"	white	10
	SRT100	16212	1"	white	10
	SRT125	16213	1 1/4"	white	10

INTERNAL CORNER	CAT. NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.
	SRIC050	16214	1/2"	white	10
	SRIC100	16216	1"	white	10
	SRIC125	16217	1 1/4"	white	10

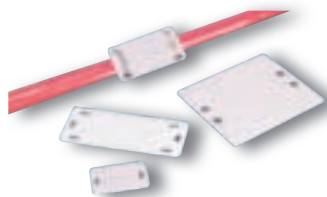
	CAT. NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.
 EXTERNAL CORNER	SREC050	16218	1/2"	white	10
	SREC075	16219	3/4"	white	10
	SREC100	16220	1"	white	10
	SREC125	16221	1 1/4"	white	10
 90 DEGREE ELBOW	SREL050	16222	1/2"	white	10
	SREL100	16224	1"	white	10
	SREL125	16225	1 1/4"	white	10

END CAP	CAT. NO.	UPC CODE	DUCT SIZE	COLOR	STD. CTN.
	SREN050	16226	1/2"	white	10
	SREN100	16228	1"	white	10

# Wire Management

MARKER PLATES/LABEL DISPENSERS/INDUSTRIAL SUPPLY CARTRIDGES & TAPES

## MARK-PRO™ CABLE MARKER PLATES



Mark-Pro™ cable marker plates provide reliable method of identification of larger cables and bundles. They can be installed using standard nylon tie wraps. A fine tip permanent marker is recommended. Manufactured using natural colored nylon.

CATALOG NO.	UPC CODE	LENGTH	WIDTH	CABLE TIE SIZE	STD. PKG.	STD. CTN.
MP-2	09021	1.58	0.79	mini, intermediate or standard	100	1,000
MP-3	09022	2.36	1.00	mini, intermediate or standard	100	1,000

## WRITE-ON SELF LAMINATING WIRE MARKER DISPENSERS (UL)



Permanent markers are recommended for writing on these vinyl self laminating labels, backed with an acrylic adhesive. Temperature range: -40°F to 250°F. UL 969.

CATALOG NO.	UPC CODE	LABEL (INCHES)		WRITE-ON AREA	LABELS PER DISPENSER
		LENGTH	HEIGHT		
WLD-1	12312	0.75	1.25	0.75 x 0.31	300
WLD-2	12313	0.75	1.88	0.75 x 0.50	150
WLD-3	12314	0.75	3.00	0.75 x 0.75	90

## ROLL LABEL DISPENSERS (UL)



Reusable, refillable, compact and convenient, roll label dispensers provide 760 1 1/4" markers per dispenser. Made of tough tyvek material with an excellent acrylic adhesive and a silicone release liner. usable temperature range: -40°F to 250°F. UL 969.

CATALOG NO.	UPC CODE	LABELS PER LABEL DESCRIPTION LEGEND	DISPENSER
RLD-1	12326	0-9	760
RLD-2	12327	10 letters	760
RLD-4	12329	0-9 refill	760

## POLYESTER INDUSTRIAL SUPPLY CARTRIDGES

2 mil pressure sensitive polyester and thermal transfer resin ribbon in a cartridge. Up to seven year exterior life. Operating temperature range of -40 to 320°F. Chemical, water, UV and abrasion resistant. A high performance label stock.

CATALOG NO.	UPC CODE	SIZE (IN X FEET)	DESCRIPTION
PIL-375-B/W	16443	.375 x 40	black image on white
PIL-375-B/Y	16444	.375 x 40	black image on yellow

## INDUSTRIAL TAPES

CATALOG NO.	UPC CODE	SIZE (IN X FEET)	DESCRIPTION
IT3/8-BW	15948	3/8 x 26	black on white
IT1/2-BW	15950	1/2 x 26	black on white
IT1/2-BC	15952	1/2 x 26	black on clear
IT3/4-BW	15953	3/4 x 26	black on white
IT1-BW	15955	1 x 26	black on white
IT1-BY	15956	1 x 26	black on yellow

## SELF-LAMINATING WIRE WRAP SUPPLY

Made of 4 mil translucent vinyl with white printable area. Ideal for exterior use or harsh environments. UV, chemical, water and abrasion resistant. Aggressive permanent adhesive. Excellent for marking wire and cables in a professional manner.

CATALOG NO.	UPC CODE	(INCHES)		(MM)		PRINTABLE AREA	FITS WIRE SIZE	NO. OF LABELS
		WIDTH	LENGTH	WIDTH	LENGTH			
SLWM-10050	16425	1.00	0.50	25	12	1.00 x 0.25	22 to 18	277
SLWM-10075	16426	1.00	0.75	25	19	1.00 x 0.375	16 to 10	250
SLWM-100250	16429	1.00	2.50	25	65	1.00 x 0.75	10 to 6	119

## POLYOLEFIN SHRINK TUBE

Low recovery temperature of 194°F with indefinite storage. Shrink ratio 3:1. Operating temperature range of -40 to 275°F with up to 392°F for short durations. Tubing is flame, temperature, chemical, water and abrasion resistant. Meets MIL-1-2305375 Class 1 and 3, MIL-1-R46845 Type V and UL-224 VW-1 rating.

CATALOG NO.	UPC CODE	SIZE		LENGTH (FEET)	DESCRIPTION
		INCHES	MM		
HSL-1/8-W	16432	.125	3.2	110	black on white
HSL-3/16-W	16434	.188	4.8	110	black on white
HSL-1/2-W	16440	.500	12.8	110	black on white

## MARK-PRO™ TTLM HANDHELD LABEL & WIRE-MARKING PRINTER



### Features:

- prints 6 to 72 point text at 300 dpi resolution
- auto sizing text feature
- thermal transfer print technology
- two line by 16 character LCD display
- point sizes from 6 to 72
- use with your PC or stand alone
- downloadable and scalable fonts
- on-board memory to store label formats
- flash upgradable firmware
- internal battery recharger
- real time clock with time/date stamping ability
- 10 resident bar codes including Code 39 and Code 128
- multi-language prompts including English and Spanish
- alphanumeric sequencing (a-z, 1-999)
- repeat function allows up to 999 copies
- built in cutter and automatic feed control to eliminate waste
- print styles include frame, bold, italic, underline and mirror
- rotate feature for landscape or portrait mode
- vertical or horizontal print formats
- audible key clicks and error messages
- print speed: up to 2 inches per second



CATALOG NO.	UPC CODE	DESCRIPTION
TTLM	16419	Mark-Pro™ TTLM hand held label and wire marking printer Package includes: printer, manual, AC adapter, power cord and serial cable. Supply cartridge, carry case and batteries not included.
TTLM-BA	16421	Premium NiCad batteries
TTLM-CASE	16424	Carrying case

# Wire Management

POCKET-PAL BOOKS

## POCKET-PAL BOOKS

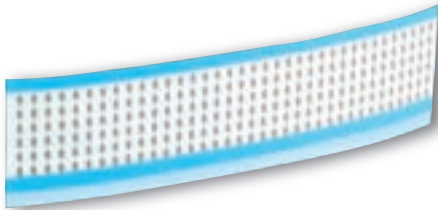


Convenient NSi wire marker books made with vinyl impregnated cloth. A strong adhesive ensures the marking will last. Printed with black legends on a white background. Each book contains 450 wire markers. Temperature range: -40°F to 250°F.

CATALOG NO.	UPC CODE	LEGEND	MARKERS PER BOOK	CARTON QTY.
WMB-1	09000	0-9	45 each	12
WMB-2	09001	A-Z, 0-15 +, -, /	10 each	12
WMB-3	09002	1-45	10 each	12
WMB-4	09003	1,2,3	150 each	12
WMB-5	09004	A,B,C	150 each	12
WMB-6	09005	T1,T2,T3	150 each	12
WMB-7	09006	L1,L2,L3	150 each	12
WMB-8	09007	1-15	6 each	12
		16-90	4 each	
		A-Z, +, -, /, 0	2 each	
WMB-9	09008	1,2,3	45 each	12
		A,B,C	45 each	
		L1,L2,L3	30 each	
		T1,T2,T3	30 each	
WMB-10	09009	10 NEMA COLORS	45 each	12
WMB-11	09010	1-30	15 each	12
WMB-12	09011	A-Z	15 each	12
		BLANK	21 each	
		+	8 each	
		-	7 each	
WMB-13	09012	+ , -, AC, DC	45 each	12
		POS, NEG, GND	33 each	
		NEUT	27 each	
		SPARE, BLANK	21 each	
WMB-14	09013	0-9	45 each	12
		L1,L2,L3	15 each	
		T1,T2,T3	15 each	
WMB-15	09014	46-90	10 each	12
WMB-20	09016	1 X 6 BLANK	30 each	12
		(1 X 1 WRITE-ON AREA)		
WMB-21	09017	1 X 3 BLANK	60 each	12
		(1 X 1 WRITE-ON AREA)		
WMB-LC	12110	load center legends	450 each	12
WMB-T	12111	datacom/telecom legends	450 each	12

Note: WMB-21 is clear laminating vinyl with white marking tab.

## EASY RELEASE WIRE MARKER CARDS



NSi wire marker cards are made from vinyl impregnated cloth with pressure-sensitive adhesive. Each marker is 1 1/2" long and is mounted on easy release dispenser cards for quick, easy identification. 25 cards per box.

The following standard legends are available:

CAT. NO.	UPC CODE	SYMBOL	CAT. NO.	UPC CODE	SYMBOL	CAT. NO.	UPC CODE	SYMBOL	CAT. NO.	UPC CODE	SYMBOL
WMC-0	12000	0	WMC-47	12047	47	WMC-95	12095	95	WMC-I	12609	I
WMC-1	12001	1	WMC-48	12048	48	WMC-34-66	12501	34-66	WMC-J	12610	J
WMC-2	12002	2	WMC-49	12049	49	WMC-67-99	12502	67-99	WMC-K	12611	K
WMC-3	12003	3	WMC-50	12050	50	WMC-100-124	12503	100-124	WMC-L	12612	L
WMC-4	12004	4	WMC-51	12051	51				WMC-M	12613	M
WMC-5	12005	5	WMC-52	12052	52	WMC- --	12512	--	WMC-N	12614	N
WMC-6	12006	6	WMC-53	12053	53	WMC-34-66	12501	34-66	WMC-O	12615	O
WMC-7	12007	7	WMC-54	12054	54	WMC-67-99	12502	67-99	WMC-P	12616	P
WMC-8	12008	8	WMC-55	12055	55	WMC-100-124	12503	100-124	WMC-Q	12617	Q
WMC-9	12009	9	WMC-56	12056	56				WMC-R	12618	R
WMC-10	12010	10	WMC-57	12057	57	WMC- --	12512	--	WMC-S	12619	S
WMC-11	12011	11	WMC-58	12058	58	WMC-A	12601	A	WMC-T	12620	T
WMC-12	12012	12	WMC-59	12059	59	WMC-B	12602	B	WMC-U	12621	U
WMC-13	12013	13	WMC-60	12060	60	WMC-C	12603	C	WMC-V	12622	V
WMC-14	12014	14	WMC-61	12061	61	WMC-D	12604	D	WMC-W	12623	W
WMC-15	12015	15	WMC-62	12062	62	WMC-E	12605	E	WMC-X	12624	X
WMC-16	12016	16	WMC-63	12063	63	WMC-F	12606	F	WMC-Y	12625	Y
WMC-17	12017	17	WMC-64	12064	64	WMC-G	12607	G	WMC-Z	12626	Z
WMC-18	12018	18	WMC-65	12065	65	WMC-H	12608	H	WMC-A-Z	12627	A-Z
WMC-19	12019	19	WMC-66	12066	66						
WMC-20	12020	20	WMC-67	12067	67						
WMC-21	12021	21	WMC-68	12068	68						
WMC-22	12022	22	WMC-69	12069	69						
WMC-23	12023	23	WMC-70	12070	70						
WMC-24	12024	24	WMC-71	12071	71						
WMC-25	12025	25	WMC-72	12072	72						
WMC-26	12026	26	WMC-73	12073	73						
WMC-27	12027	27	WMC-74	12074	74						
WMC-28	12028	28	WMC-75	12075	75						
WMC-29	12029	29	WMC-76	12076	76						
WMC-30	12030	30	WMC-77	12077	77						
WMC-31	12031	31	WMC-78	12078	78						
WMC-32	12032	32	WMC-79	12079	79						
WMC-33	12033	33	WMC-80	12080	80						
WMC-34	12034	34	WMC-81	12081	81						
WMC-35	12035	35	WMC-82	12082	82						
WMC-36	12036	36	WMC-83	12083	83						
WMC-37	12037	37	WMC-84	12084	84						
WMC-38	12038	38	WMC-85	12085	85						
WMC-39	12039	39	WMC-86	12086	86						
WMC-40	12040	40	WMC-87	12087	87						
WMC-41	12041	41	WMC-88	12088	88						
WMC-42	12042	42	WMC-89	12089	89						
WMC-43	12043	43	WMC-90	12090	90						
WMC-45	12045	45	WMC-91	12091	91						
WMC-46	12046	46	WMC-92	12092	92						
			WMC-93	12093	93						

### Assortment Pack

CATALOG NO  
WMC-1-25A

UPC CODE  
12635

- Contains 1 each of numbers
- 1 through 25 per box
- 1 number per card

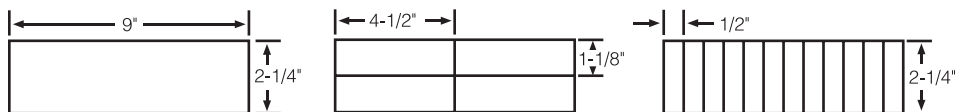
# Wire Management

## VOLTAGE MARKERS

### VOLTAGE MARKERS



Pressure-sensitive vinyl markers for marking power lines, conduit bus, fuse boxes, switches and other electrical equipment, stocked in three convenient sizes. black lettering on orange background. There are 25 cards per box.



LEGEND	STYLE A		STYLE B		STYLE C	
	CAT. NO.	UPC CODE	CAT. NO.	UPC CODE	CAT. NO.	UPC CODE
110 Volts			VM-B-1	15101	VM-C-1	15201
120 Volts	VM-A-3	15003	VM-B-3	15103	VM-C-3	15203
208 Volts	VM-A-4	15004	VM-B-4	15104	VM-C-4	15204
220 Volts	VM-A-5	15005	VM-B-5	15105	VM-C-5	15205
240 Volts	VM-A-7	15007	VM-B-7	15107	VM-C-7	15207
277 Volts	VM-A-9	15009	VM-B-9	15109	VM-C-9	15209
380 Volts					VM-C-10	15210
440 Volts	VM-A-11	15011			VM-C-11	15211
460 Volts	VM-A-12	15012			VM-C-12	15212
480 Volts	VM-A-13	15013	VM-B-13	15113	VM-C-13	15213
600 Volts	VM-A-15	15015	VM-B-15	15115	VM-C-15	15215
2400 Volts	VM-A-18	15018			VM-C-18	15218
4160 Volts	VM-A-19	15019			VM-C-19	15219
4800 Volts	VM-A-20	15020			VM-C-20	15220
7200 Volts			VM-B-23	15123	VM-C-23	15223
12000 Volts			VM-B-24	15124	VM-C-24	15224
12470 Volts	VM-A-25	15025			VM-C-25	15225
13200 Volts	VM-A-27	15027	VM-B-27	15127	VM-C-27	15227
13800 Volts	VM-A-28	15028	VM-B-28	15128	VM-C-28	15228
Single Phase	VM-A-30	15030	VM-B-30	15130	VM-C-30	15230
Three Phase	VM-A-32	15032	VM-B-32	15132	VM-C-32	15232
Power	VM-A-33	15033	VM-B-33	15133	VM-C-33	15233
Lights					VM-C-34	15234
120V to 208V	VM-A-35	15035	VM-B-35	15135	VM-C-35	15235
120V to 240V	VM-A-36	15036	VM-B-36	15136	VM-C-36	15236
277V to 480V	VM-A-37	15037	VM-B-37	15137	VM-C-37	15237
Danger High Voltage	VM-A-48	15048	VM-B-48	15148	VM-C-48	15248
24 Volts	VM-A-49	15049	VM-B-49	15149	VM-C-49	15249

### NSi Commercial and Industrial Pipe Marking Services

NSi provides ASME A13.1-1996 compliant snap-on, strap-on and pressure sensitive vinyl pipe markers. For commercial and industrial piping systems, refrigeration and medical gas piping applications. Made from high quality PVC, vinyl, polyester and tedlar materials – these products conform to ASME A13.1-1996 and ANSI Z535.1-1998 and are good for both indoor and outdoor applications. Call NSi Customer Service at 1.800.321.5847.

### SAFETY SIGNS



All safety signs are 10" x 14" except NSS-3 and NRP-3 which are 14" x 20". Other sizes and legends available. Contact NSi for details.

Self-adhesive labels are sub-surface printed polyester labels. All labels shown at bottom of this page measure 2 1/4" x 4 1/2".

Rigid signs are available in either polycarbonate or polyester material.

CAT. NO.	UPC CODE	TYPE	MATERIAL	LEGEND	STD. CTN.
DSS-1	17270	Danger	Self-stick	Area in Front of This Panel Must be Kept Clear for 36 Inches OSHA-NEC Regulations	25
DSS-2	17272	Danger	Self-stick	Do Not Enter	25
DSS-3	17274	Danger	Self-stick	Authorized Personnel Only	25
DRP-3	17275	Danger	Rigid plastic	Authorized Personnel Only	25
DSS-4	17276	Danger	Self-stick	Electrical Hazard - Keep Out	25
DRP-4	17277	Danger	Rigid plastic	Electrical Hazard - Keep Out	25
DSS-5	17278	Danger	Self-stick	High Voltage	25
DRP-5	17279	Danger	Rigid plastic	High Voltage	25
DSS-6	17280	Danger	Self-stick	High Voltage - Keep Out	25
DRP-6	17281	Danger	Rigid plastic	High Voltage - Keep Out	25
DSS-7	17282	Danger	Self-stick	No Smoking	25
DSS-8	17284	Danger	Self-stick	No Smoking - No Fumar	25
DSS-9	17286	Danger	Self-stick	Use Lockout Tag Before Any Maintenance	25

\* In Accordance with OSHA Standard 1910.147, All Equipment, Machines and Processes Shall Be Locked Out Prior to Servicing. Lockout Procedures are Posted in the Main Operating Area and/or by the Main Energy Source of Each Machine. If You Have any Questions About the Lockout Procedures, Please See Your Supervisor or the Safety Director. This Standard Will Be Strictly Enforced.

### SELF-ADHESIVE LABELS

CATALOG NO.	UPC CODE	LEGEND	STD. CTN.
VL-1	17250	Lock Out for Safety	25
VL-2	17251	Lock Out Before Servicing	25
VL-4	17253	Remove All Doubt. Lock It Out.	25
VL-5	17254	This Disconnect Does Not Remove All Power from Panel	25
VL-7	17256	Warning - Potential Arc-Flash Hazards Exist While Working on this Energized Equipment	25

# Wire Management

BARRICADE, UNDERGROUND LINE & DETECTABLE TAPES

## BARRICADE TAPES



All NSi line tapes are made of long lasting, non-adhesive polyethylene for exceptional quality, durability and performance. Used above ground

to mark off hazards. Supplied in 1,000 ft. rolls. Custom legends are available. Contact your NSi Custom Service representative for details.

CATALOG NO.	UPC CODE	LEGEND	COLOR	WIDTH
BT-305	15505	Caution	Yellow	3
BT-308	15508	Caution Do Not Enter	Yellow	3
BT-312	15512	Caution High Voltage	Yellow	3
BT-313	15513	Caution Keep Out	Yellow	3

## UNDERGROUND LINE TAPES



Underground tapes are impervious to alkalines, acids and other soil components for the protection, location and identification of underground utility installations. Consists of a 4 mil overall thickness, inert 100 percent virgin low-

density polyethylene plastic film formulated for underground use. Environmentally safe ink. Supplied in 1,000 ft. rolls. Custom legends are available. Contact your NSi Custom Service representative for details.

CATALOG NO.	UPC CODE	LEGEND	COLOR	WIDTH
ULT-326	15626	Caution Buried Electric Line Below	yellow	3
ULT-327	15627	Caution Buried Electric Line Below	red	3
ULT-623	15723	Caution Buried Cable TV Line Below	orange	6
ULT-626	15726	Caution Buried Electric Line Below	yellow	6
ULT-627	15727	Caution Buried Electric Line Below	red	6
ULT-630	15730	Caution Buried High Voltage Line Below	yellow	6
ULT-631	15731	Caution Buried High Voltage Line Below	red	6
ULT-636	15736	Caution Buried Telephone Line Below	orange	6
ULT-642	15742	Caution Buried Fiber Optic Line Below	orange	6
ULT-643	15930	Caution Buried Communication Line Below	orange	6

## DETECTABLE UNDERGROUND LINE TAPES



Consists of a minimum 5 mil overall thickness with no less than a 35 gauge solid aluminum foil core, which allows for easy detection. Specially formulated to resist degradation by elements

normally encountered in soil. All printing is encased to avoid ink rub-off. Supplied in 1,000 feet rolls. Custom legends are available. Contact your NSi Customer Service representative for details.

CATALOG NO.	UPC CODE	LEGEND	COLOR	WIDTH
ULTD-327	15827	Caution Buried Electric Line Below	red	3
ULTD-336	15828	Caution Buried Telephone Line Below	orange	3
ULTD-342	15831	Caution Buried Fiber Optic Line Below	orange	3
ULTD-343	15829	Caution Buried Communication Line Below	yellow	3
ULTD-626	15926	Caution Buried Electric Line Below	yellow	6
ULTD-627	15927	Caution Buried Electric Line Below	red	6
ULTD-636	15928	Caution Buried Telephone Line Below	orange	6
ULTD-643	15929	Caution Buried Communication Line Below	yellow	6

## LOCKOUT/TAGOUT TRAINING PROGRAM



CATALOG NO.	UPC CODE	DESCRIPTION	STANDARD QTY.
LOTO-TR	17302	training program	1

## PADLOCKS AND PADLOCK LABELS

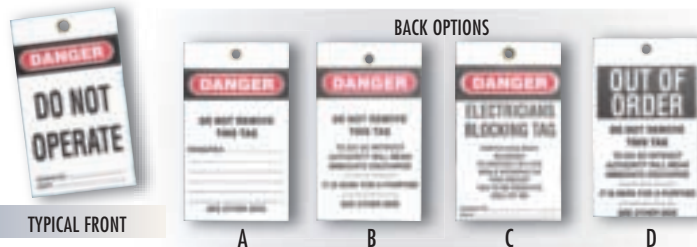


CATALOG NO.	UPC CODE	COLOR	STANDARD INCHES	DESCRIPTION	CARTON QTY.
HSP-1	17215	blue	0.75	keyed different	6
HSP-21	17216	blue	2.00	keyed different	6
HSP-2	17217	black	0.75	keyed different	6
HSP-22	17218	black	2.00	keyed different	6
HSP-3	17219	white	0.75	keyed different	6
HSP-23	17220	white	2.00	keyed different	6
HSP-4	17221	red	0.75	keyed different	6
HSP-24	17222	red	2.00	keyed different	6
HSP-5	17223	green	0.75	keyed different	6
HSP-25	17224	green	2.00	keyed different	6
HSP-6	17225	yellow	0.75	keyed different	6
HSP-26	17226	yellow	2.00	keyed different	6
KAMK-BLU	17150	blue	0.75	keyed alike & master key 0.75" shackle	6
KAMK-RED	17151	red	0.75	keyed alike & master key 0.75" shackle	6
KAMK-YLW	17152	yellow	0.75	keyed alike & master key 0.75" shackle	6
KAMK-GRN	17153	green	0.75	keyed alike & master key 0.75" shackle	6
KAMK-BLK	17154	black	0.75	keyed alike & master key 0.75" shackle	6
KAMK-WHT	17155	white	0.75	keyed alike & master key 0.75" shackle	6
KALS-BLU	17162	blue	2.00	keyed alike 2" shackle	6
KALS-RED	17163	red	2.00	keyed alike 2" shackle	6
KALS-YLW	17164	yellow	2.00	keyed alike 2" shackle	6
KALS-GRN	17165	green	2.00	keyed alike 2" shackle	6
KALS-BLK	17166	black	2.00	keyed alike 2" shackle	6
KALS-WHT	17167	white	2.00	keyed alike 2" shackle	6
VLL	17229		0.75 x 5.00	steel lock labels	25

# Wire Management

## LOCKOUT TAGS

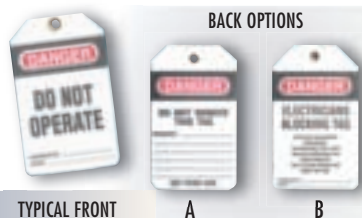
### VINYL DANGER WARNING TAGS



These durable warning tags are made of rigid vinyl with brass grommets to withstand moisture, dirt and grease. Write on with pencil, ballpoint pen or permanent marker. Meets OSHA requirements for accident prevention tags. Standard size is 3 1/4" x 5 1/2". Custom legends are available. Contact NSi for details. Heavy duty lockout tags can withstand over 80 pounds of pulling pressure.

CATALOG NO.	UPC CODE	DUTY	LEGEND	BACK	STD. CTN.
VWT-1	17231	standard	Circuit Energized	A	25
VWT-4	17234	standard	Do Not Operate This Switch	A	25
VWT-5	17235	standard	Do Not Operate	A	25
VWT-6	17236	standard	High Voltage	A	25
VWT-8	17238	standard	Live Wire	A	25
VWT-15	17245	standard	Men Working on Machinery	B	25
VWT-16	17246	standard	Equipment Locked Out	B	25
VWT-17	17247	standard	Electrician's Blocking Tag	C	25
VWT-18	17248	standard	Out of Order	D	25
LT-2	17207	heavy duty	Equipment Locked Out	A	25
LT-4	17209	heavy duty	Do Not Operate	A	25
LT-5	17210	heavy duty	Electrician's Blocking Tag (with special Electrician's blocking tag info on back)	A	25
LT-6	17211	heavy duty	Do Not Operate (English and Spanish)	A	25
LT-7	17212	heavy duty	Do Not Operate (with sealing tag on back for personalization with photo)	A	25

### SUPER LAMINATED, REUSABLE LOCKOUT TAGS

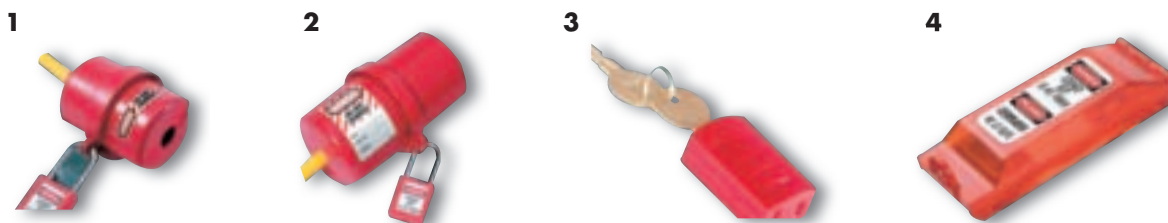


Super laminated tags are printed on high molecular weight polyolefin, which allows the laminating film to actually penetrate the stock and become one. The laminated peel strength is up to six times greater than a common paper laminated tag.

Eyelet size is 1/4" but they are also available up to 7/16" diameter. NSi super laminated tags exceed OSHA lockout requirements. Standard size is 3 1/4" x 5 1/2". Custom tags are also available. Contact NSi for details.

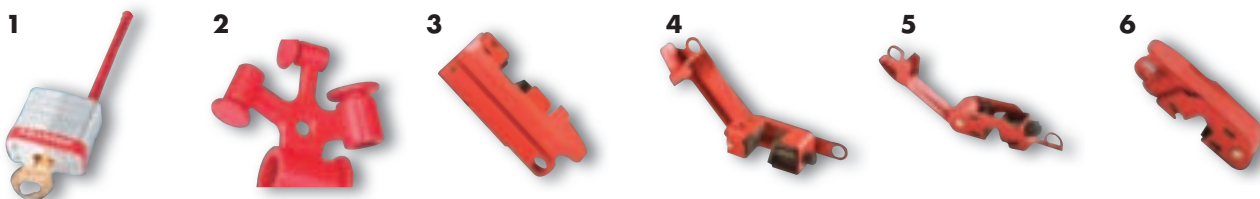
CATALOG NO.	UPC CODE	LEGEND	BACK	STANDARD CARTON
SLT-1	17261	Do Not Open	A	25
SLT-3	17263	Men Working on Machinery	A	25
SLT-5	17265	Do Not Start	B	25
SLT-6	17266	Do Not Operate	A	25
SLT-7	17267	Do Not Operate	B	25
SLT-8	17268	Do Not Touch This Switch	A	25
SLT-9	17269	Do Not Touch This Switch	B	25

### PLUG LOCKOUTS & WALL SWITCH LOCKOUT



CATALOG NO.	UPC CODE	FIGURE NO.	INCHES	DESCRIPTION	STANDARD CARTON
PLO-110	17171	1	2.25 x 6.00	2.25 inch diameter plug lockout 110 and 220 volt	6
PLO-220-550	17172	2	3.00 x 6.00	3 inch diameter plug lockout 220 through 550 volt	6
PBLO-110	17173	3		110 volt plug blade lockout	6
WSL-1	17181	4		wall toggle /decora switch lockout	6

### CIRCUIT BREAKER LOCKOUTS



CATALOG NO.	UPC CODE	FIGURE NO.	DESCRIPTION	STANDARD CARTON
C BSP-1	17174	1	circuit breaker padlock with 5 foot cable	6
FBB-1	17175	2	fuse block blockout device. .25" through .56" fuses	6
LCBL-2.5	17176	4	large breaker lockout	6
SPCBL-RSH	17177	6	single pole breaker lockout	6
CBL-277	17178	3	277 volt no hole breaker lockout	6
CBL-480	17179	5	480/600 volt no hole breaker lockout	6
CBL-UNIVMP	17180	6	universal multi-pole circuit breaker lockout	6

### VALVE LOCKOUTS



CATALOG NO.	UPC CODE	FIGURE NO.	DESCRIPTION	STANDARD CARTON
PHL-1	17182	1	pneumatic lockout – 0.25" through 0.50" fittings	6

# Wire Management

HASPS/LARGE EQUIPMENT LOCKOUT CABLE/LOCK & LOCKOUT STATIONS & KITS

## HASPS & LARGE EQUIPMENT ADJUSTABLE CABLE LOCKOUT



CATALOG NO.	UPC CODE	FIG. NO.	COLOR	SIZE	DESCRIPTION	STD. CTN.
MLH-100	17227	1	red	1 inches	scissor type metal hasp - 6 lock	6
MLH-150	17228	1	red	1.5 inches	scissor type metal hasp - 6 lock	6
MLH-200	17168	2	red	7 x 2.88 inches	large metal lockout hasp	6

## LOCK STATIONS



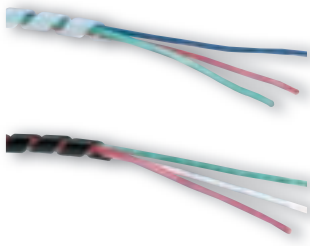
CATALOG NO.	UPC CODE	DESCRIPTION	PACKAGE INCLUDES	SIZE	STD. CTN.
LOS-1C	17200	Individual station	4 blue bumper padlocks, 25 'Do Not Operate' tags	9 x 12	1
LOS-1	17201	Individual station	Station only	9 x 12	1
LOS-10C	17202	10 position station	10 blue bumper padlocks, 25 'Do Not Operate' tags & 3 - 1" safety lock-outs	12 x 19	1
LOS-20C	17204	20 position station	20 blue bumper padlocks, 50 'Do Not Operate' tags & 6 - 1" safety lock-outs	24 x 19	1
LOS-20	17205	20 position station	Station only	24 x 19	1

## LOCKOUT KITS AND BOX



CATALOG NO.	UPC CODE	FIGURE NO.	TYPE	DESCRIPTION	STD. CTN.
PELOK	17195	-	kit	<b>PERSONAL</b> electrical lockout kit	1
PVELOK	17196	-	kit	<b>PERSONAL</b> valve and electrical lockout kit	1
GELOK	17197	1	kit	<b>GROUP</b> electrical lockout kit	1
GVELOK	17198	2	kit	<b>GROUP</b> valve and electrical lockout kit	1
GLB-1	17199	3	box	<b>GROUP</b> lock box - 13 lock - 9.25 x 3.75 x 6"	1

### SPIRAL WRAP CABLE HARNESSSES



Permits flexible routing of cable harnesses while forming a neat, protective bundle. It twists on easily and allows lead-outs at any point. All sizes supplied in 100 ft. coils.

Available in three materials:

**POLYETHYLENE:** For general indoor use with good resistance to ordinary solvents and abrasion.

**UV POLYETHYLENE:** Ultraviolet resistance for general outdoor use with good resistance to ordinary solvents and abrasion.

**NYLON:** For use in wider temperature ranges with high resistance to abrasion and good solvent resistance.

CATALOG NO.	UPC CODE	MATERIAL	O.D.	I.D.	BUNDLE RANGE
SRPE-125	09600	polyethylene (natural)	.118	.059	.059 - .709
SRPE-187	09601	polyethylene (natural)	.187	.118	.118 - 1.37
SRPE-250	09602	polyethylene (natural)	.236	.157	.157 - 1.97
SRPE-375	09603	polyethylene (natural)	.393	.295	.295 - 2.36
SRPE-500	09604	polyethylene (natural)	.472	.354	.354 - 2.56
SRPE-625	09605	polyethylene (natural)	.590	.472	.472 - 2.76
SRPE-750	09606	polyethylene (natural)	.748	.590	.590 - 3.94
SRPE-1000	09607	polyethylene (natural)	.945	.787	.787 - 5.11

### UV POLETHYLENE

CATALOG NO.	UPC CODE	MATERIAL	O.D.	I.D.	BUNDLE RANGE
SRPE-1250	09608	UV polyethylene (black)	.118	.059	.059 - .709
SRPE-1870	09609	UV polyethylene (black)	.187	.118	.118 - 1.37
SRPE-2500	09610	UV polyethylene (black)	.236	.157	.157 - 1.97
SRPE-3750	09611	UV polyethylene (black)	.393	.295	.295 - 2.36
SRPE-5000	09612	UV polyethylene (black)	.472	.354	.354 - 2.56
SRPE-6250	09613	UV polyethylene (black)	.590	.472	.472 - 2.76
SRPE-7500	09614	UV polyethylene (black)	.748	.590	.590 - 3.94
SRPE-10000	09615	UV polyethylene (black)	.945	.787	.787 - 5.11

### NYLON

CATALOG NO.	UPC CODE	MATERIAL	O.D.	I.D.	BUNDLE RANGE
SRNY-250	09616	nylon (natural)	.250	.187	.187 - 2.00
SRNY-375	09617	nylon (natural)	.375	.312	.312 - 3.00
SRNY-500	09618	nylon (natural)	.500	.375	.375 - 4.00

# Wire Management

WIRE-PULLING LUBRICANT

## SLYDER™ CABLE LUBRICANT - STANDARD GRADE



Slyder™ is a superior gel lubricant that reduces surface tension on cable to the lowest level. Its excellent adherence to cable ensures maximum performance and easier pulls. It maintains its lubricity even after drying and has

excellent re-wetting characteristics. Slyder™ is non-toxic and non-flame propagating and can be used as part of a fire retardant installation. It does not contain any aromatic or petroleum derivative.

- Exceptional lubricity.
- Adheres better so it performs better.
- Superior performance at elbows, multiple turn pulls, tight fitting pulls and higher temperature applications.
- Retains higher lubricity when dry on the cable, making removal or repairs much easier.
- Recovers more than 95% of its original lubricity after re-wetting – even after it has been dry for extended periods.
- Compatible with all types of cable jackets. Will not cause cracking or discoloration of the cable.
- Does not support flame – either as a gel or a dried lubricant.
- Safe. Slyder is non-toxic to humans. It is composed of ingredients that are individually listed as non-hazardous at the concentration used.
- Easy to clean up. Easily removed from equipment or personnel with only water.

### BAG LUBRICANT QUANTITY FORMULA:

$$N = 0.003 \times Q \times L \times D^*$$

**Where:** **N** = number of bags required

**Q** = one half-gallon bag **OR** two one-quart bags

**L** = length of pull in **feet**

**D** = nominal internal dimension of conduit in **inches**

\*The quantity appropriate for a difficult pull may be up to +50% above this equation depending on conduit fill, conduit type and condition, number of bends and pulling environment.

CATALOG NO.	UPC CODE	DESCRIPTION	NET.WT. EACH (LBS)	STD. CTN.
SWL-1Q	16272	1 quart squeeze bottle	2.5	12
SWL-1G	16273	1 gallon pail	9	4
SWL-5G	16274	5 gallon pail	44	1

## SLYDER™ CABLE LUBRICANT - WINTER GRADE

Winter Grade Slyder™ Cable Lubricant is designed for all applications and all-weather use; no need to stock several different products depending on the job and/or the weather. Slyder Winter Grade (cream colored) is manufactured to perform as a winter grade product and

can be used at temperatures as low as -22°F. Meets IEEE-1210-1996 and ASTM D 1963 stress cracking standards. It is stable, does not separate after 48 hours exposure to 110°F or after seven x 24 hour freeze/thaw cycles.

CATALOG NO.	UPC CODE	DESCRIPTION	NET.WT. EACH (LBS)	STD. CTN.
SWL-1Q-WG	16630	1 quart squeeze bottle	2.5	12
SWL-1G-WG	16633	1 gallon pail	9	4
SWL-5G-WG	16634	5 gallon pail	44	1







FIRESTOP™

# Firestop™ Products

» *MAXIMUM DURABILITY*

» *MULTIPLE APPLICATIONS*

» *EASY TO USE*



**...making the life in the field  
easier and safer.**

**FIRESTOP™ INTUMESCENT CAULK** 



NSi FireStop™ Intumescent Caulk is water-based, single component elastomeric sealant intended for use as a firestop system component. It forms an economical yet durable, flexible and watertight bond with most construction materials. It is applied independently for “caulk and walk” systems or over mineral wool or backer rod to seal the openings where

building services such as pipes and cables penetrate fire rated assemblies. Will not crack or crumble as the physical properties remain stable over time. It tools easily and cleans up with water. May be applied by caulking gun or trowel. ASTM-E 814 and UL 1479.

CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	LBS./CTN.
FSIC-10	05540	FireStop Intumescent Caulk in 10.3 fl. oz. cartridges (304 ml)	12	25

**FIRESTOP™ MORTAR** 



NSi FireStop™ Mortar is a single component non-combustible fiber reinforced, foamed cement mortar. It is intended to provide economical, non-combustible and tight-fitting firestops at openings and penetrations through fire-rated wall and floor assemblies. FireStop™ Mortar powder mixes easily to form a shaving cream-like, non-slumping paste. This feature permits easy installation with a minimum of damming.

When cured, FireStop™ Mortar is self-supporting and therefore may be used for large openings where other firestopping materials are impractical. It requires and contains no solvents and is comprised of materials of low toxicity. It mixes and trowels easily and tools are cleaned with water. Dust protection is recommended. The color is a distinctive charcoal (dark grey). ASTM-E 814 and UL 1479. Coverage per bag is 850 cn in. or 0.49 cn ft.

CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	LBS./CTN.
FSM	05549	FireStop Mortar in 15.5 lb. (7 kg) bags	1	15.5

*For Applications & Systems  
SEE REFERENCE TABLE ON PAGES 209 & 210*

## FIRESTOP814™ RESIDENTIAL & COMMERCIAL FIRE STOP



NSi FireStop814™ Fire stopping caulk is a single component, non-combustible, non-intumescent material for residential and commercial applications. Colored red for easy inspection, FireStop814™ creates an effective barrier against flames, smoke, and toxic gasses and has superior

adhesion and gunnability. FireStop814™ is for use in annular spaces around wires and pipes, in one- and two-hour fire rated assemblies. It restores the integrity of firestops in residential and commercial construction. Meets UL 1479/ ASTM-E814 standards.

CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	LBS./ CTN.
FS-814	05567	10.3oz Caulk Tube, Red, non-intumescent commercial fire stop	12	14

## FIREBLOCK136™ RESIDENTIAL RATED FIRE BLOCK



NSi FireBlock136™ Fire-blocking caulk is a single component, non-combustible material for residential applications. Colored red for easy inspection, FireBlock136™ creates an effective barrier against flames, smoke, and toxic gasses and has superior adhesion and gunnability. FireBlock136™ is for use in annular spaces around wires, pipes, ducts, vents and other penetrating items at ceiling and floor openings; and

room to room in wood and steel frame constructions. It restores the integrity of fireblocks in one and two family construction. Exceeds ASTM-E136 standards for fireblocking residential requirements prescribed by all major-model building codes, and also meets or exceeds requirements of UBC, BOCA, SBC, IRC, NYS and MA codes. Meets UL 1479/ ASTM-E136 standards.

CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	LBS./ CTN.
FS-136	05566	10.3oz Caulk Tube, Red; Non-combustible for residential applications	12	14

*For Applications & Systems  
SEE REFERENCE TABLE ON PAGES 209 & 210*

**FIRE RATED PUTTY STICKS AND PUTTY PADS** 



NSi Fire Rated Putty is a moldable non-curing, one-component fire rated material for through penetration fire stop systems. In the event of a fire, Putty will expand when exposed to fire, forming an insulating char, which prevents the spread of flames, smoke, gas and water through penetration openings. Installation is easy as there are no additives, there is no mixing and no curing time is required. The putty is applied by hand and adheres to all common building surfaces. Putty can be installed in confined or occupied spaces since there are no volatile solvents or asbestos fillers.

NSi Putty systems are rated up to 3 hours in accordance with ASTM E 814, UL

1479 and ULC/CAN4-S115-M standards. NSi Fire Rated Putty is available in sticks or pads.

Moldable Putty Pads are available in two sizes, 6" x 7" x 1/8" or 7" x 7" x 1/8", and are classified as a wall opening protective material. Use them to protect metal electrical cabinets, outlet boxes and mechanical cabinets. STC Rating 49.

Putty Sticks are 1 1/2" in diameter x 10 inches long, and are classified as a fill, void or cavity material by UL. Use them to seal around cable, electrical conduit and metal pipe to prevent passage of smoke, flame and toxic gases. They will not dry out and can be reused as additional penetrating items are installed or removed.

CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	LBS./CTN.
FSPS	05555	Putty sticks – 1 1/2" diameter x 10" long (18 cu. in.) – Red	12	13
FSPP-1	05556	Putty pads – 6" x 7" – Red	20	8
FSPP-2	05557	Putty pads – 7" x 7" – Red	20	9

*For Applications & Systems  
SEE REFERENCE TABLE ON PAGES 209 & 210*

## FIRESTOP™ MINERAL WOOL



NSi FireStop™ Mineral Wool is a pre-formed, non-combustible mineral wool insulation. It is a semi-rigid combination of basaltic mineral wool and proprietary binders. The mineral wool is pre-cut into various widths and depths in 48 inch lengths for ease of handling and immediate installation. It is intended for use as a

firestop system component and forming material in tested firestop systems and designs. It is friction fitted into openings, joints, gaps, spaces and voids in fire rated assemblies. It is usually used in conjunction with firestop sealant products such as Silicone, Silicone SL and Intumescent Caulk.

CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	LBS./CTN.
FSMW	05550	FireStop Mineral Wool in 25 lb. bags	1	25

## FIRESTOP™ PILLOWS



NSi FireStop™ Pillows are a single step firestop system component. They are intended for wall and/or floor openings through fire separations where temporary or permanent firestops are required. They are ideal where cable retrofitting is frequent and anticipated. These pillows allow for quick and clean single product installation. Pillows are self-supporting – no wire lath or mesh is required. They are to be packed tightly into the voids between penetrating items and the perimeter of the opening. During a fire, the intumescent

component within each pillow dramatically expands to seal the opening from fire, thereby maintaining the integrity of the fire separation.

FireStop™ Pillows consist of an intumescent layer sandwiched between non-combustible insulation, all enclosed in a hermetically sealed polyethylene shell. No sealant or putty is required. Easy to install, easy to remove – a quick and clean single product installation. ASTM E 814 and UL 1479.

CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	LBS./CTN.
FSP	05551	FireStop Pillows 2 in. x 4 in. x 8 in. (50 x 100 x 200 mm.)	25	7

### FIRESTOP™ BOX GUARDS



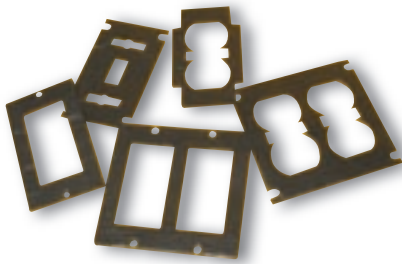
NSi FireStop™ Box Guards are one component fire rated pads made of highly intumescent firestop material for use in electrical boxes. They are inserted in the box and adhere to the inside back wall. FireStop™ Box Guards are easy to install and very cost effective. When exposed to fire they expand, forming a char that will seal off the opening, prevent the spread of fire and limit the temperature rise on the unexposed surfaces. When used as

directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 inches, provided that the boxes are not back-to-back.

FireStop™ Box Guards are classified by UL under Wall Opening Protective Material as found in the Fire Resistance Directory. Available in two sizes to suit single and double boxes. STC Rating 55.

CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	LBS./CTN.
FSBG-1	05558	Single box insert	50	3
FSBG-2	05559	Double box insert	50	7

### FIRESTOP™ COVER GUARDS



NSi FireStop™ Cover Guards are one component fire rated gaskets made of highly intumescent firestop material for use in electrical boxes. They are mounted on the inside of the cover plate and installed at the same time as the cover plate. When exposed to fire they expand, forming a char that will seal off the opening, prevent the spread of fire and limit the temperature rise on the unexposed surfaces.

NSi FireStop™ Cover Guards are easy to install and very cost effective. Excellent for use when addressing the 24 inch rule. They

are used when electrical boxes are installed in rated walls facing opposite directions and horizontally separated by less than 24 inches. They can also be used as a solution for standard electrical boxes when the 100 square inch rule is violated. Exceptional for safe, retrofit applications. Can be used for both metal and plastic cover plates.

FireStop™ Cover Guards are available as single switch, double switch, single receptacle, single décor and double décor. An economical alternative to putty pads. STC Rating 54.

CAT. NO.	UPC CODE	DESCRIPTION	CTN. QTY.	LBS./CTN.
FSSRC	05560	Single receptacle cover guard	50	2
FSDRC	05561	Double receptacle cover guard	50	3
FSSSC	05562	Single switch	50	2
FSDSC	05563	Double switch	50	3
FSSDC	05564	Single décor	50	2
FSDDC	05565	Double décor	50	3

*For Applications & Systems  
SEE REFERENCE TABLE ON PAGES 209 & 210*

### CONDUIT AND EMT

MAX.PEN. DIA.	RATING (HR.)	MAX. OPENING	FLOOR OR WALL SYSTEM	NSI FIRESTOP REQUIRED PRODUCT(S)	APPLICATION THICKNESS	SYSTEM NO.	PAGE NO.
6 in. conduit & EMT or smaller	3	0 in. to 2 in. annulus	Floor – concrete, Wall -concrete or concrete block	NSi FireStop Intumescent Caulk NSi Firestop Mineral Wood	Min. 1/4 in. thick within annulus flush with top of floor or both surfaces of wall Min. 4 in. thick packed into opening (wall both sides)	C-AJ-1509	211
6 in. conduit & EMT or smaller	2	0 in. to 2 1/2 in. annulus	Floor - concrete (2 1/2 in. min.), Wall - concrete, concrete block or precast units	NSi FireStop Intumescent Caulk NSi Firestop Mineral Wood	Min. 1/4 in. thick within annulus flush with top of floor or both surfaces of wall Min. 4 in. thick packed into opening (wall both sides)	C-AJ-1510	211
6 in. conduit & EMT or smaller	2	0 in to 7/8 in. annulus	Floor - concrete (2 1/2 in. min.), Wall - concrete, concrete block or precast units	NSi FireStop Intumescent Caulk	Min. 1/4 in. thick within annulus flush with top of floor or both surfaces of wall	C-AJ-1511	212
6 in. conduit & EMT or smaller	2	0 in. to 1/2 in. annulus	Wall – gypsum board	NSi FireStop Intumescent Caulk	Min. 1 1/4 in. thick within annulus flush with both surfaces of wall	W-L-1349	212
6 in. conduit & EMT or smaller	2	0 in. to 1 1/2 in. annulus	Wall – gypsum board	NSi FireStop Intumescent Caulk NSi FireStop Mineral Wool	Min. 5/8 in. thick within annulus flush with both surfaces of wall Min. 2 in. thick packed into opening on both sides of wall	W-L-1350	213
6 in. conduit & EMT or smaller	1	1/4 in. to 1/2 in. annulus	Wall – gypsum board	NSi FireStop Intumescent Caulk	Min. 5/8 in. thick within annulus flush with both surfaces of wall	W-L-1351	213
3 in. conduit & EMT or smaller	2	0 in. to 1 3/4 in. annulus	Wall – gypsum board	NSi FireStop Intumescent Caulk	Min. 1 1/4 in. thick within annulus flush with both surfaces of wall	W-L-1348	214
4 in. conduit & EMT or smaller	1	0 in. to 1/2 in. annulus	Floor – lumber Ceiling – gypsum board	NSi FireStop Intumescent Caulk	Min. 3/4 in. thick within annulus on top of floor Min. 5/8 in. thick within annulus on bottom surface of ceiling	F-C-1128	214

### NON-METALLIC CONDUIT

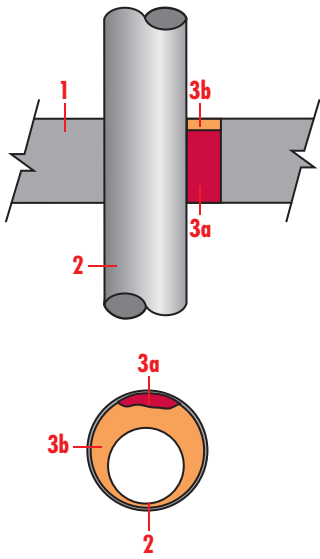
MAX.PEN. DIA.	RATING (HR.)	MAX. OPENING	FLOOR OR WALL SYSTEM	NSI FIRESTOP REQUIRED PRODUCT(S)	APPLICATION THICKNESS	SYSTEM NO.	PAGE NO.
2, PVC, CPVC, ABS & Rigid conduit or smaller	1	1/4 in.	Floor – lumber Ceiling - gypsum board	NSi FireStop Intumescent Caulk	Min. 3/4 in. thick within annulus on top of floor. Min. 5/8 in. thick within annulus on bottom surface of ceiling	F-C-2297	215

**CABLES/LARGER OPENINGS**

TYPE OF PENETRATION	RATING (HR.)	MAX. OPENING	FLOOR OR WALL SYSTEM	NSI FIRESTOP REQUIRED PRODUCT(S)	APPLICATION THICKNESS	SYSTEM NO.	PAGE NO.
Coaxial, fiber optic & 24 AWG	3	288 sq. in.	Floor – concrete, Wall - concrete or concrete block	NSi FireStop Pillows	Installed with 8 in. dimension projecting through floor or wall & centered within opening	C-AJ-4073	215
Coaxial, fiber optic, 24 AWG & data cable	3	288 sq. in.	Floor – concrete, Wall – concrete or concrete block	NSi FireStop Pillows	Installed with 8 in. dimension projecting through floor or wall & centered within opening	C-AJ-4074	216
Cables	1	0 in. to. 1/4 in annulus	Floor – lumber Ceiling – gypsum board	NSi FireStop Intumescent Caulk	Min. 1 1/4 in. thick within annulus on top of floor Min. 1/2 in. thick within annulus on bottom surface of ceiling	F-C-3084	216

**MULTIPLE PENETRATIONS**

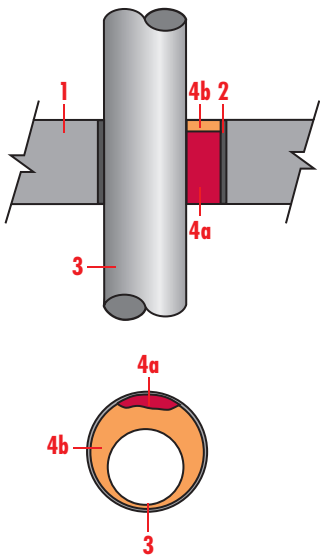
TYPE OF PENETRATION	RATING (HR.)	MAX. OPENING	FLOOR OR WALL SYSTEM	NSI FIRESTOP REQUIRED PRODUCT(S)	APPLICATION THICKNESS	SYSTEM NO.	PAGE NO.
3 in. conduit & EMT or smaller, cables & cable tray	3	2.2 sq. ft.	Floor – concrete, Wall – concrete or concrete block	NSi FireStop Mortar	Min. 3 in. thick flush with top of floor & both surfaces of wall	C-AJ-8147	217
2 in. conduit or smaller, cables & cable tray	3	24 sq. ft.	Floor – concrete, Wall – concrete	NSi FireStop Mortar	Fill opening to min. depth of 3 in.	AD/PHV 180-01	218



### UL SYSTEM NO. C-AJ-1509

F Rating — 3 hr., T Rating — 0 hr.

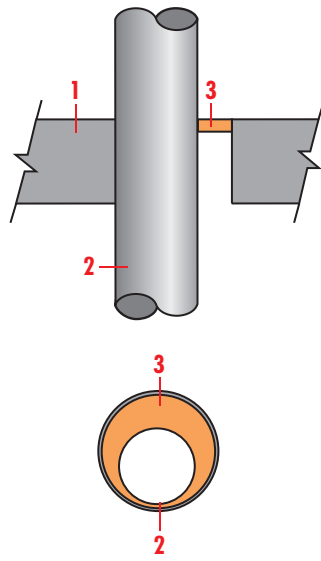
- Floor or wall assembly** — Minimum 4½ in. thick reinforced normal weight concrete. Wall may also be constructed of any UL Classified concrete blocks. Maximum diameter of opening is 8 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Through Penetrant** — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. A maximum of one pipe, conduit or tubing to be installed within the opening. The space between the pipe, conduit or tubing and the periphery of opening shall be a minimum of 0 in. to a maximum of 2 in. The following types and sizes of metallic pipes, conduits or tubing may be used:
  - Steel pipe — Nom. 24 in. diameter (or smaller) Schedule 10 (or heavier) steel pipe
  - Conduit — Nom. 6 in. diameter (or smaller) electrical metallic tubing or steel conduit
  - Copper tubing — Nom. 6 in. diameter (or smaller) Type L (or heavier) copper tubing
  - Copper pipe — Nom. 6 in. diameter (or smaller) Regular (or heavier) copper pipe.
- Firestop System** — The firestop system shall consist of the following:
  - Packing material — NSi FireStop Mineral Wool. Minimum 4 in. thickness of minimum 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material
  - Fill, void or cavity material — NSi FireStop Intumescent Caulk. Minimum ¼ in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. At the point contact location between penetrant and concrete, a minimum ¼ in. diameter bead of fill material shall be applied at the concrete/through penetrant interface on the top surface of floor and on both surfaces of wall.



### UL SYSTEM NO. C-AJ-1510

F Rating — 2 hr., T Rating — 0 hr.

- Floor or wall assembly** — Minimum 2½ in. thick reinforced lightweight or normal weight (100-150 pcf) structural concrete. Floor may also be constructed of any minimum 6 in. thick UL Classified hollow-core precast concrete units. Wall may also be constructed of any UL Classified concrete blocks. Maximum diameter of opening is 26¼ in. Maximum diameter of opening in floors constructed of hollow-core is 7 in. See Concrete Blocks (CAZT) or Precast Concrete Units (CFTV) category in the Fire Resistance Directory for names of manufacturers.
- Steel Sleeve** (optional) — Nom. 26 in. diameter (or smaller) Schedule 10 (or heavier) steel pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
- Through Penetrant** — One metallic pipe, conduit or tubing, rigidly supported on both sides of floor or wall assembly. The annular space between the pipe or conduit and the periphery of opening shall be a minimum of 0 in. (point contact) to a maximum of 2¼ in. The following types and sizes of metallic pipes, conduits or tubing may be used:
  - Copper tubing — Nom. 6 in. diameter (or smaller) Type L (or heavier) copper tube
  - Steel pipe — Nom. 24 in. diameter (or smaller) Schedule 10 (or heavier) steel pipe
  - Conduit — Nom. 6 in. diameter (or smaller) steel electrical metallic tubing (EMT)
  - Iron pipe — Nom. 24 in. diameter (or smaller) cast or ductile iron pipe.
- Firestop System** — The firestop system shall consist of the following:
  - Packing material — NSi FireStop Mineral Wool. Minimum 4.5 pcf mineral wool batt insulation, tightly compressed and firmly packed into opening as a permanent form to a minimum depth of 2¼ in. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of sealant
  - Fill, void or cavity material — NSi FireStop Intumescent Caulk. Minimum ¼ in. thickness of caulk applied within the annulus, flush with top surface of floor or with both surfaces of wall. In floors constructed of hollow-core precast concrete units, fill material installed symmetrically on both sides of floor. Additional material installed to form a minimum ¼ in. crown bead at the point contact location between the pipe and periphery of the opening. For vertical installations, sealant to be applied symmetrically on both sides of wall.



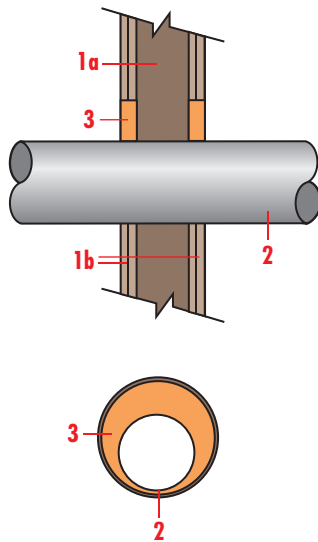
### UL SYSTEM NO. C-AJ-1511

F Rating – 2 hr., T Rating – 0 hr.

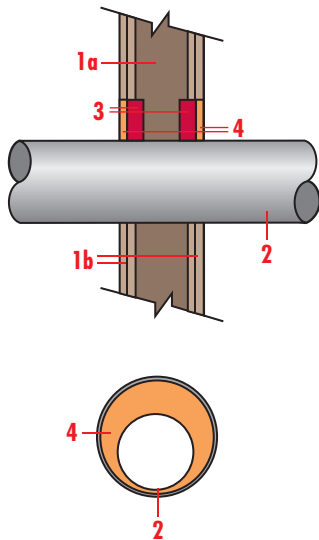
- Floor or wall assembly** – Minimum 2½ in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor. Floor may also be constructed of any minimum 6 in. thick UL Classified hollow-core precast concrete units. Wall may also be constructed of any UL Classified concrete blocks. Maximum diameter of opening is 24 7/8 in. Maximum diameter of opening in floors constructed of hollow-core is 7 in. See Concrete Blocks (CAZT) or Precast Concrete Units (CFTV) category in the Fire Resistance Directory for names of manufacturers.
- Through Penetrant** – One metallic pipe, conduit or tubing to be installed within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The annular space between the pipe or conduit and the periphery of opening shall be a minimum of 0 in. (point contact) to a maximum of 7/8 in. The following types and sizes of metallic pipes, conduits or tubing may be used:
  - Steel pipe – Nom. 24 in. diameter (or smaller) Schedule 10 (or heavier) steel pipe
  - Iron pipe – Nom. 24 in. diameter (or smaller) cast or ductile iron pipe
  - Conduit – Nom. 6 in. diameter (or smaller) steel electrical metallic tubing or steel conduit
  - Copper pipe or tubing – Nom. 6 in. diameter (or smaller) Type L (or heavier) copper tubing.
- Fill, void or cavity material** – NSi FireStop Intumescent Caulk. Minimum ½ in. thickness of caulk applied within the annulus, flush with top surface of floor or with both surfaces of wall. In floors constructed of hollow-core precast concrete units, fill material installed symmetrically on both sides of floor. Additional material installed to form a minimum ¼ in. crown bead at the point contact location between the pipe and periphery of the opening. For vertical installations, sealant to be applied symmetrically on both sides of wall.

### UL SYSTEM NO. W-L-1349

F Rating – 2 hr., T Rating – 0 hr.



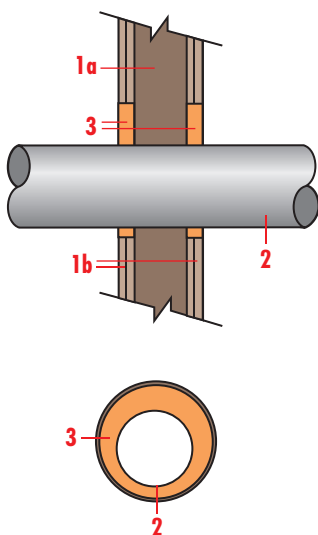
- Wall Assembly** – The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
  - Studs** – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom. 2 x 4 in. lumber spaced 16 in. oc. Steel studs to be minimum 3 5/8 in. wide and spaced maximum 24 in. oc. When steel studs are used and the diameter of openings exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between vertical studs and screw-attached to the studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diameter of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.
  - Wallboard, Gypsum** – 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wall board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Maximum diameter of opening is 6 5/8 in.
- Through Penetrant** – One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between pipes, conduits or tubing and the periphery of opening shall be a minimum of 0 in. (point contact) to a maximum of ½ in. Pipe, tubing or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, tubing or conduits may be used:
  - Steel pipe – Nom. 24 in. diameter (or smaller) Schedule 5 (or heavier) steel pipe
  - Iron pipe – Nom. 24 in. diameter (or smaller) cast or ductile iron pipe
  - Conduit – Nom. 6 in. diameter (or smaller) steel electrical metallic tubing or steel conduit
  - Copper Tubing – Nom. 6 in. diameter (or smaller) Type L (or heavier) copper tubing
  - Copper Pipe – Nom. 6 in. diameter (or smaller) Regular (or heavier) copper pipe.
- Fill, void or cavity material** – Sealant – NSi FireStop Intumescent Caulk. Minimum ¼ in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between through penetrant and gypsum wall board, a minimum ½ in. diameter bead of fill material shall be applied at the gypsum wallboard/through penetrant interface on both surfaces of wall.



## UL SYSTEM NO. W-L-1350

F Rating – 2 hr., T Rating – 0 hr.

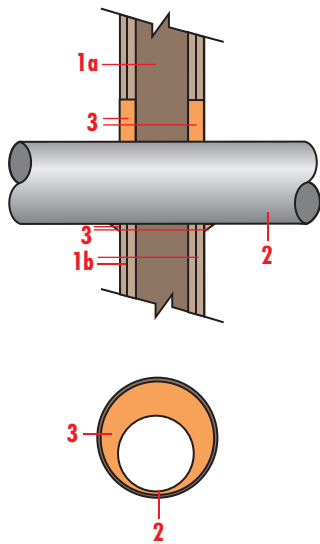
- Wall Assembly** – The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
  - Studs – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom. 2 x 4 in. lumber spaced 16 in. oc. Steel studs to be minimum 3<sup>5</sup>/<sub>8</sub> in. wide and spaced maximum 24 in. oc. When steel studs are used and the diameter of openings exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between vertical studs and screw-attached to the studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diameter of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides
  - Wallboard, Gypsum – 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wall board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Maximum diameter of opening is 7<sup>5</sup>/<sub>8</sub> in.
- Through Penetrant** – One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between pipes, conduits or tubing and the periphery of opening shall be a minimum of 0 in. (point contact) to a maximum of 1/2 in. Pipe, tubing or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, tubing or conduits may be used:
  - Steel pipe – Nom. 24 in. diameter (or smaller) Schedule 5 (or heavier) steel pipe
  - Iron pipe – Nom. 24 in. diameter (or smaller) cast or ductile iron pipe
  - Conduit – Nom. 6 in. diameter (or smaller) steel electrical metallic tubing or steel conduit
  - Copper Tubing – Nom. 6 in. diameter (or smaller) Type L (or heavier) copper tubing
  - Copper Pipe – Nom. 6 in. diameter (or smaller) Regular (or heavier) copper pipe.
- Packing Material** – NSi FireStop Mineral Wool. Minimum 2 in. thickness of minimum 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of the wall by 5/8 in.
- Fill, void or cavity material** – Sealant – NSi FireStop Intumescent Caulk. Minimum 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Additional material to be installed such that a 1/4 in. crown bead is formed around the penetrating item.



## UL SYSTEM NO. W-L-1351

F Rating – 1 hr., T Rating – 0 hr.

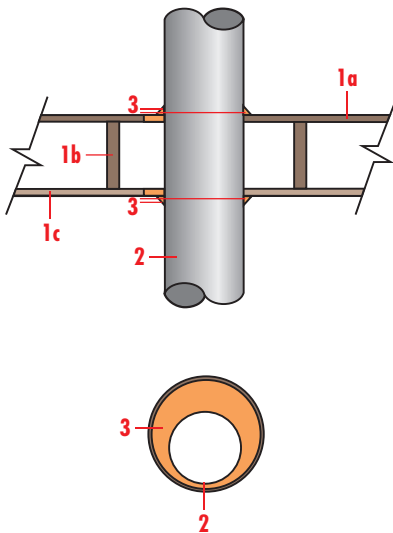
- Wall Assembly** – The 1 hr. fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
  - Studs – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom. 2 x 4 in. lumber spaced 16 in. oc. Steel studs to be minimum 3<sup>5</sup>/<sub>8</sub> in. wide and spaced maximum 24 in. oc. When steel studs are used and the diameter of openings exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between vertical studs and screw-attached to the studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diameter of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides
  - Wallboard, Gypsum – 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wall board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Maximum diameter of opening is 24<sup>3</sup>/<sub>4</sub> in. for steel stud walls. Maximum diameter opening is 14<sup>1</sup>/<sub>2</sub> in. for wood stud walls.
- Through Penetrant** – One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between pipes, conduits or tubing and the periphery of opening shall be a minimum of 1/4 in. to a maximum of 1/2 in. Pipe, tubing or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, tubing or conduits may be used:
  - Steel pipe – Nom. 24 in. diameter (or smaller) Schedule 5 (or heavier) steel pipe
  - Iron pipe – Nom. 24 in. diameter (or smaller) cast or ductile iron pipe
  - Conduit – Nom. 6 in. diameter (or smaller) steel electrical metallic tubing or steel conduit
  - Copper Tubing – Nom. 6 in. diameter (or smaller) Type L (or heavier) copper tubing
  - Copper Pipe – Nom. 6 in. diameter (or smaller) Regular (or heavier) copper pipe.
- Fill, void or cavity material** – Sealant – NSi FireStop Intumescent Caulk. Minimum 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall.



## UL SYSTEM NO. W-L-1348

F Rating — 2 hr., T Rating — 0 hr.

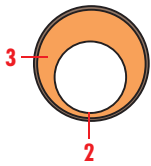
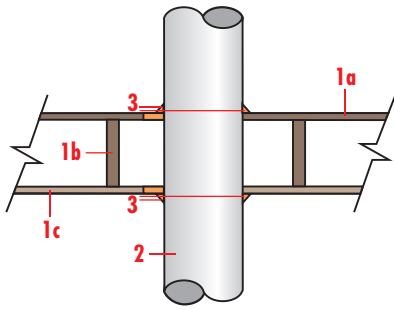
- Wall Assembly** — The 2 hr. fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
  - Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom. 2 x 4 in. lumber spaced 16 in. oc. with nom. 2 x 4 in. lumber end plates and cross braces. Steel studs to be minimum 3<sup>5</sup>/<sub>8</sub> in. wide and spaced maximum 24 in. oc. When steel studs are used and the diameter of openings exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between vertical studs and screw-attached to the studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diameter of the penetrating item, such that when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides
  - Wallboard, Gypsum — 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wall board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Maximum diameter of opening is 5 in.
- Through Penetrant** — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between pipes, conduits or tubing and the periphery of opening shall be a minimum of 0 in. (point contact) to a maximum of 1<sup>3</sup>/<sub>4</sub> in. Pipe, tubing or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, tubing or conduits may be used:
  - Steel pipe — Nom. 3 in. diameter (or smaller) Schedule 5 (or heavier) steel pipe
  - Conduit — Nom. 3 in. diameter (or smaller) steel electrical metallic tubing or galv. steel conduit
  - Copper Tubing — Nom. 3 in. diameter (or smaller) Type L (or heavier) copper tubing
  - Copper Pipe — Nom. 3 in. diameter (or smaller) Regular (or heavier) copper pipe.
- Fill, void or cavity material** — Sealant — NSi FireStop Intumescent Caulk. Minimum 1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between through penetrant and gypsum wall board, a minimum 3/8 in. diameter bead of fill material shall be applied at the gypsum wallboard/through penetrant interface on both surfaces of wall.



## UL SYSTEM NO. F-C-1128

F Rating — 1 hr., T Rating — 0 hr.

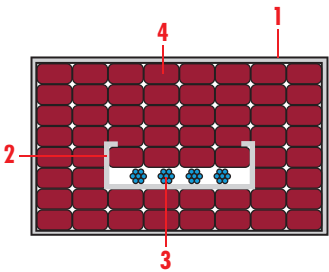
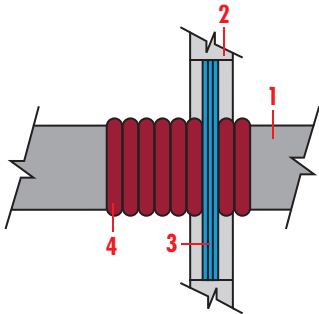
- Floor-Ceiling Assembly** — The 1 hr. fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory and shall include the following construction features:
  - Flooring System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor-Topping Mixture as specified in the individual floor-ceiling design. Maximum diameter of floor opening is 5 in.
  - Wood Joists — Nom. 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members with bridging as required and with ends firestopped
  - Wallboard, Gypsum — Nom. 4 ft. wide x 5/8 in. thick as specified in the individual floor-ceiling design. Wallboard nailed to wood joists.
- Through Penetrant** — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and the periphery of opening shall be a minimum of 0 in. (point contact) to a maximum of 1/2 in. Pipe, tubing or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, tubing or conduits may be used:
  - Steel pipe — Nom. 4 in. diameter (or smaller) Schedule 10 (or heavier) steel pipe
  - Iron pipe — Nom. 4 in. diameter (or smaller) cast or ductile iron pipe
  - Conduit — Nom. 4 in. diameter (or smaller) steel electrical metallic tubing or steel conduit
  - Copper Tubing — Nom. 4 in. diameter (or smaller) Type L (or heavier) copper tubing
  - Copper Pipe — Nom. 4 in. diameter (or smaller) Regular (or heavier) copper pipe.
- Fill, void or cavity material** — NSi FireStop Intumescent Caulk. Minimum 3/4 in. thickness of fill material applied within the annulus on top surface of floor. Minimum 5/8 in. thickness of fill material applied within annulus on bottom surface of ceiling. Additional fill material to be installed such that a minimum 1/2 in. thick crown is formed around the through penetrant on top surface of floor-ceiling assembly.



### UL SYSTEM NO. F-C-2297

F Rating – 1 hr., T Rating – 0 hr.

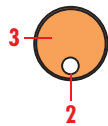
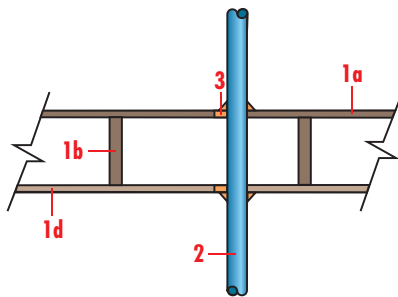
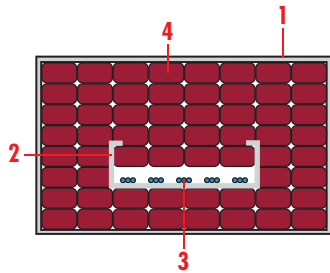
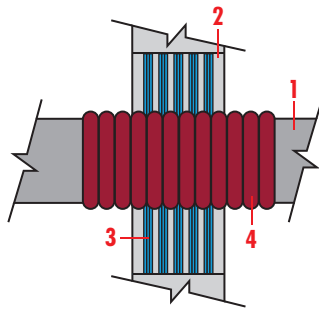
- Floor-Ceiling Assembly** – The fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L505, L511, or L536 Designs in the UL Fire Resistance Directory and shall include the following construction features:
  - Flooring System – Lumber or plywood subfloor with finish floor of lumber, plywood or Floor-Topping Mixture as specified in the individual floor-ceiling design. Maximum diameter of opening is 2.875 in.
  - Wood Joists – Nom. 2 x 10 in. lumber joists spaced 16 in. oc. with nom. 1 x 3 in. lumber bridging and with ends firestopped
  - Wallboard, Gypsum – Nom. 4 ft. wide x 5/8 in. thick as specified in the individual floor-ceiling design. Maximum diameter of ceiling opening is 2.875 in.
- Through Penetrant** – One nonmetallic pipe or conduit to be installed approximately midway between wood joists and centered within the firestop system. Diameter of openings hole-sawed through flooring system and one layer through gypsum wallboard ceiling to be nom. 1/2 in. larger than the outside diameter of through penetrant. Pipe or conduit to be rigidly supported on both sides of floor-ceiling assembly. The following types and sizes of nonmetallic pipes or conduits may be used:
  - Polyvinyl Chloride (PVC) Pipe – Nom. 2 in. diameter (or smaller) Schedule 40 cellular or solid core PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems
  - Acrylonitrile Butadiene Styrene (ABS) Pipe – Nom. 2 in. diameter (or smaller) Schedule 40 cellular or solid core ABS pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems
  - Chlorinated Polyvinyl Chloride (CPVC) Pipe – Nom. 2 in. diameter (or smaller) SDR 17 CPVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems
  - Rigid Nonmetallic Conduit – Nom. 2 in. diameter (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).
- Fill, void or cavity material** – NSi FireStop Intumescent Caulk. Minimum 3/4 in. thickness of fill material applied within the annulus on top surface of floor. Minimum 5/8 in. thickness of fill material applied within annulus on bottom surface of ceiling or top plate of chase wall assembly. Additional fill material to be installed such that a minimum 1/8 in. thick crown is formed around the through penetrant on top surface of floor-ceiling assembly.



### UL SYSTEM NO. C-AJ-4073

F Rating – 3 hr., T Rating – 1 1/2 hr.

- Floor or wall assembly** – Minimum 5 in. thick reinforced normal weight concrete. Wall may also be constructed of any UL Classified concrete blocks. Maximum area of opening is 288 sq. in. with a maximum dimension of 24 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Cable Tray** – Maximum 12 in. wide by maximum 3 5/8 in. deep (maximum 3 in. deep loading depth) trough type cable tray with channel-shaped side rails formed of No. 18 MSG (0.048 in.) thick galvanized steel and with 4 in. wide by No. 18 MSG (0.048 in.) thick ventilated type rungs spaced 10 in. oc. Maximum one cable tray to be installed either concentrically or eccentrically within the firestop system. The annular space between the cable tray and the periphery of opening shall be a minimum of 1 1/2 in. to a maximum of 7 in. Cable tray to be rigidly supported on both sides of floor or wall assembly.
- Cables** – Maximum four individual cable bundles, each containing a maximum seven cables, to be installed within cable tray. Maximum diameter of individual cable bundles shall be 2 in. Cable bundles to be spaced a minimum 1 1/2 in. to a maximum 3 in. oc. Any combination of the following types and sizes of cables may be used:
  - Maximum 3 pair No. 24 AWG (or smaller) copper conductor cables with polyvinyl chloride (PVC) insulation and jacket
  - Maximum 2 fiber 62.5/125 μm fiber optic cable with PVC insulation and jacket
  - Maximum RG/U (or smaller) coaxial copper conductor cable with fluorinated ethylene insulation and jacket materials.
- Fill, Void or Cavity Materials** – NSi FireStop Pillows. Maximum 8 in. long x 4 in. wide x 2 in. deep thick pillow-like material. Pillows shall be tightly packed into opening to fill the annular space between cables and periphery of opening and between cable tray and periphery of opening. Pillows installed with 8 in. dimension projecting through floor or wall and centered within the opening.



### UL SYSTEM NO. C-AJ-4074 (For Horizontal or Vertical Separations)

F Rating – 3 hr., T Rating – 0 hr.

- Floor or wall assembly** – Minimum 4½ in. thick reinforced lightweight (100 pcf) concrete. Maximum size of opening is 288 sq. in. with maximum dimension of 24 in. Wall may also be constructed of any UL Classified concrete blocks. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Cable Tray** – Maximum 12 in. wide by maximum 3⅝ in. deep (maximum 3 in. deep loading depth) trough type cable tray with channel-shaped side rails formed of No. 18 MSG (0.048 in.) thick galvanized steel and with 4 in. wide by No. 18 MSG (0.048 in.) thick ventilated type rungs spaced 10 in. oc. Maximum one cable tray to be installed either concentrically or eccentrically within the firestop system. The annular space between the cable tray and the periphery of opening shall be a minimum of 1½ in. to a maximum of 7 in. Cable tray to be rigidly supported on both sides of floor or wall assembly.
- Cables** – Aggregate cross-sectional area of cables in cable tray to be 25% of the cross-sectional area of the cable tray based on a maximum 3 in. cable loading within the cable tray. Any combination of the following types and sizes of cables may be used:
  - Maximum 287 lengths of cables, each with 3 pair No. 24 AWG Type D telephone cables with PVC insulation and jacket
  - Maximum 24 lengths of double stranded fiber optic cables, ⅛ in. diameter with PVC insulation and jacket
  - Maximum 12 lengths of coaxial cable, ¼ in. diameter, 22 AWG solid copper conductor with polyethylene insulation and PVC jacket
  - Maximum 12 lengths of data cable, Alcatel 380100, E107890, 24 AWG CMR, with PVC jacket.
- Fill, Void or Cavity Materials** – NSi FireStop Pillows. Maximum 8 in. long x 4 in. wide x 2 in. deep thick pillow-like material. Pillows shall be tightly packed into opening to fill the annular space between cables and periphery of opening and between cable tray and periphery of opening. Pillows installed with 8 in. dimension projecting through floor or wall and centered within the opening.

### UL SYSTEM NO. F-C-3084

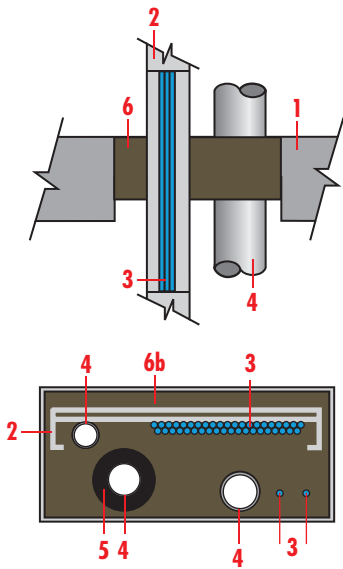
F Rating – 1 hr., T Ratings – ¾ hr. and 1 hr. (See Item 2)

- Floor-Ceiling Assembly** – The fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in Design No. L512, L513 or L514 in the UL Fire Resistance Directory and shall include the following construction features:
  - Flooring System – Lumber or minimum ½ in. plywood subfloor with lumber or minimum ¾ in. plywood finish floor or Floor-Topping Mixture as specified in the individual floor-ceiling design. Maximum diameter of floor opening is ⅝ in.
  - Wood Joists – Nom. 2 x 10 in. lumber joists, spaced 16 in. oc. with nom. 1 x 3 in. lumber bridging and with ends firestopped
  - Furring Channels (not shown) – Resilient galv. steel furring installed perpendicular to wood joist between wallboard and wood joist and spaced maximum 24 in. oc.
  - Wallboard, Gypsum – Nom. 4 ft. wide x ⅝ in. thick as specified in the individual floor-ceiling design. Wallboard attached to wood joists or furring channels as specified in the individual floor-ceiling design. Maximum diameter of ceiling opening is ⅝ in.
- Cables** – One cable to be installed either eccentrically or concentrically in opening with annular space between the cable and periphery of opening of min. 0 in. (point contact) to maximum 14 in. Cable to be rigidly supported on both sides of floor-ceiling assembly. The following types of cables may be used:
  - Maximum 3/C (with ground) No. 12 AWG (or smaller) with polyvinyl chloride (PVC) insulation and jacket
  - Maximum 3/C (with ground) No. 14 AWG (or smaller) with PVC jacketed aluminium or steel clad, Type RW90
  - Type RG6U coaxial cable with fluorinated ethylene propylene insulation and jacket
  - Maximum 2/C (with ground) No. 14 AWG (or smaller), type NM90, with nylon jacket
  - Maximum 8/C No. 24 AWG (or smaller), type CMR MPR, with polyvinyl chloride (PVC) insulation and jacket.

The T Rating of the firestop system is dependent upon the type of cable used, as tabulated below:

CABLE TYPE	T-RATING (HR.)
a, b, c and e	1
d	¾

- Fill, void or cavity material** – NSi FireStop Intumescent Caulk. On top of assembly, a minimum 1¼ in. thickness of fill material applied within the annulus on top surface of floor. On bottom assembly, a minimum ½ in. thickness of fill material applied within annulus on bottom surface of ceiling. Additional fill material to be installed such that a minimum ½ in. thick crown is formed around the through penetrant on both sides of floor-ceiling assembly.



## UL SYSTEM NO. C-AJ-8147

F Rating — 3 hr., T Rating — 0 hr.

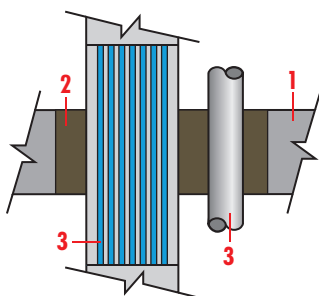
- Floor or wall assembly** — Minimum 4½ in. thick reinforced normal weight concrete. Wall may also be constructed of any UL Classified concrete blocks. Maximum area of opening is 312 sq. in. with maximum dimension of 26 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Cable Tray** — Maximum 24 in. wide by maximum 4 in. deep open-ladder cable tray with channel-shaped side rails formed of minimum 0.065 in. thick steel with 3 in. wide by ½ in. deep rungs spaced 14½ in. oc. One cable tray to be installed in the opening. The annular space between the cable tray and the periphery of opening shall be a minimum of 1 in. to a maximum of 6 in. Cable tray to be rigidly supported on both sides of floor or wall assembly.
- Cables** — Aggregate cross-sectional area of cables in cable tray to be maximum 40% of the cross-sectional area of the cable tray based on a maximum 3 in. cable loading depth within the cable tray. Any combination of the following types of copper conductor cables may be used:
  - Maximum of 1/C-500 kcmil (or smaller) cable with cross-linked polyethylene insulation and jacket
  - Maximum 100 pair No. 24 AWG (or smaller) telephone cable with polyvinyl chloride (PVC) insulation and jacket
  - Maximum RG 11/U coaxial cable (or smaller) with fluorinated ethylene propylene insulation and jacket

In addition, a maximum of two cable lengths may be installed within the opening. The cables shall be spaced a nom. 2 in. apart and a nom. 2 in. from the periphery of the opening. Cables to be rigidly supported on both sides of floor or wall assembly.

- Through Penetrants** — Two pipes, conduits or tubes to be installed within the opening. The space between pipes, conduits or tubes shall be a nom. 6¾ in. The space between pipes, conduits or tubes and the periphery of opening shall be a minimum of 1½ in. to a maximum of 6½ in. Pipes, conduits or tubes to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
  - Steel pipe — Nom. 3 in. diameter (or smaller) Schedule 40 (or heavier) steel pipe
  - Iron pipe — Nom. 3 in. diameter (or smaller) cast or ductile iron pipe
  - Conduit — Nom. 3 in. diameter (or smaller) electrical metallic tubing or steel conduit
  - Copper Tubing — Nom. 3 in. diameter (or smaller) Type M (or heavier) copper tubing
  - Copper Pipe — Nom. 3 in. diameter (or smaller) Regular (or heavier) copper pipe.

In addition, one nom. 2 in. diameter (or smaller) electrical metallic tubing or steel conduit may be installed within the cable tray. The conduit or tubing shall be spaced a nom. 1 in. from the side rail of the cable tray and a minimum 1 in. from the cable bundles.

- Pipe Covering** — The following types of pipe coverings may be used on the steel pipe (Item 4a):
  - Pipe and Equipment Covering — Materials** — Nom. 1 in. thick hollow cylindrical heavy density (min. 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied, self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used
  - Pipe Covering Materials** — Nom. 1 in. thick unfaced mineral fiber pipe insulation having a nom. density of 3.5 pcf (or heavier) and sized to the outside diameter of pipe or tube. Pipe insulation secured with minimum 8 AWG steel wire spaced maximum 12 in. oc. IIG MINWOOL L L C — High Temperature Pipe Insulation 1200, High Temperature Pipe Insulation BWT or High Temperature Pipe Insulation Thermaloc
  - Sheathing Material (not shown)** — Used in conjunction with Item 5b. Foil-scrim-kraft or all service jacket material shall be wrapped around the outer circumference of the pipe insulation (Item 3b) with the kraft side exposed. Longitudinal joints and transverse joints sealed with metal fasteners or with butt tape. See Sheathing Materials (BVDV) category in the Building Materials Directory for names of manufacturers. Any sheathing material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used. The space between the insulated pipe and the periphery of the opening shall be a minimum 1½ in. to a maximum 6½ in. The insulated pipe shall be minimum 2 in. to a maximum 6¾ in. from the other through penetrants (Item numbers 2, 3 and 4).
- Firestop System** — The firestop system shall consist of the following:
  - Forms (not shown)** — Used as a form to prevent leakage of fill material during installation. Forms to be a rigid sheet material, cut to fit the contour of the penetration item and friction fitted into the opening. Forms to be recessed from top surface of floor or both surfaces of wall as required to accommodate the required thickness of fill material. Forms to be removed after fill material has cured
  - Fill, void or cavity material — Mortar** — NSi FireStop Mortar. Minimum 3 in. thickness of fill material installed flush with top surface of floor and both surfaces of wall. Mortar to be mixed at a rate of 2.7 parts dry mixture to one part water by weight in accordance with the installation instructions supplied with the product.



## ITS DESIGN NO. AD/PHV 180-01

Horizontal or Vertical (floor or wall)

F Rating – 3 hr., T Rating – No penetrations - 3 hr., 3a, b, c, d - 15 minutes, 3e - 0 minutes

1. **Floor or wall assembly** – Minimum 3 in. (75 mm) thick normal or lightweight concrete. Maximum size of opening is 57½ in. x 60 in. (1460 mm x 1525 mm).
2. **Fill, void or cavity material** – Mortar – NSi FireStop Mortar mixed with water in accordance with the manufacturer's instructions and trowelled in place to fill the opening to a minimum depth of 3 in. (75 mm).
3. **Through Penetrants**
  - a) Nom. 3½ in. (90 mm) x 24 in. (620 mm) steel ladder type cable tray. Maximum cable and conduit loading not to exceed 32% by area of cable tray
  - b) Type 500 MCM CORFLEX II RA90 XLPE or #6 AWG/4 90 XLPE TECK HL FT4 cables installed individually or ½ in. (13 mm) apart in cable tray
  - c) 2 in. (50 mm) OD and 1¾ in. (45 mm) wall thickness steel conduit, spaced a minimum of 2 in. (50 mm) from the cables in the tray
  - d) Schedule 40 steel pipe, nom. 3½ in. (90 mm) OD
  - e) Nom. 3¼ in. (82 mm) OD copper pipe.

The T Rating is dependent upon the type of penetrant as tabulated below:

PENETRANT TYPE	T-RATING (HR.)
No penetrant	3
3a, b, c, d	15 min.
3e	0

## FIRESTOP™ MORTAR

**Installation:** Clean all openings to be firestopped by removing all foreign matter and contaminants such as oil, dust, grease, frost, water, surface dirt, old sealants, glazing compound, protective coatings, original formwork etc.

**Priming and Keying:** NSi FireStop Mortar does not generally require any priming. For large horizontal openings, it is recommended that NSi FireStop Mortar be mechanically keyed into the concrete surround, and/or that intermediate support be provided.

**Mixing:** NSi FireStop Mortar is mixed with water in the ratio of 2.6 US quarts (2.5L) of water to each 15.5 lb. (7 kg) bag. A measuring cup is supplied in each bag for convenience when mixing.

**Forming or Damming:** Horizontal openings may be dammed temporarily with any convenient material (plywood etc.). Damming is generally not required for vertical openings due to the low slump, dimensional stability and cohesive strength of the mortar paste. Forms, if used, can be removed after 24 hours.

**Placement:** Apply NSi FireStop Mortar paste into opening with trowel or pour into large horizontal openings from mixer or mixing container. Work paste with trowel to ensure that all voids are filled. Give particular attention to voids between multi-cable/pipe installations. Product may be vibrated for this purpose. Tool surface to desired finish. Clean up with water.

**Re-penetration:** If it is necessary to penetrate cured NSi FireStop Mortar for new or additional building services, simply drill or poke through mortar to provide opening of sufficient size. After installation of new items, firestop the remaining voids with fresh NSi FireStop Mortar or NSi FireStop Mineral Wool and FireStop Silicone.

**Precautions:** Avoid inhalation of dust or contact with eyes. Use of dust mask and eye protection is recommended. Thoroughly wash skin after contact and before eating, etc. Keep out of reach of children. To safely use this product, read and abide by Material Safety Data Sheet (MSDS).

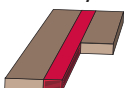
**Limitations:** Do not install when temperature is below 40°F (5°C). In horizontal applications, intermediate support may be required. Do not permit pedestrian or other traffic. Where NSi FireStop Mortar may be subject to acidic exposure, like other Portland cement-based products, it may require a protective coating.

### PHYSICAL PROPERTIES\*

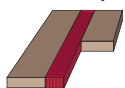
PROPERTIES	RESULTS
<b>Before Curing</b>	
Mix time	1.5 to 5 min.
Pot life	50 min. (max.)
Workability	Excellent
Wet density	700 ± 10 kg/m <sup>3</sup> (43.7 ± 0.6 pcf)
Set time	10 to 15 hr.
<b>After Curing</b>	
Density	640 ± 40 kg/m <sup>3</sup> (40 ± 2.5 pcf)
Compressive strength (28 days)	3.3 ± 0.3 Mpa (478 ± 44 psi)
Shrinkage	None
Noncombustibility (CAN4-S114)	Noncombustible
Combustibility (CAN4-S114)	Noncombustible
Thermal conductivity (ASTM C-518)	0.197 W/m. °K @ 24°C (1.365 Btu. In./ft <sup>2</sup> .h.°F)

\*Values given are not intended for specification preparation.

Incorrectly



Correctly



Always install NSi FireStop Mineral Wool so that it is compressed perpendicular to the grain.

## FIRESTOP™ MINERAL WOOL

**Installation:** Install NSi FireStop Mineral Wool to the minimum 25% to 33% compression required by the tested firestop system. See table. Compression must always be perpendicular to the grain. Butt adjacent sections of NSi FireStop Mineral Wool tightly against each other. Leave no voids. NSi FireStop Mineral Wool is the recommended backing material for NSi FireStop Silicone, Silicone SL and Intumescent Caulk. Determine the depth of firestop sealant required and recess the mineral wool to the appropriate depth.

**Precautions:** To safely use this product, read and abide by Material Safety Data Sheet (MSDS). Avoid inhalation of dust during use and avoid skin and eye contact. Mineral wool, like other nuisance particulates, may cause itching and possible irritation of eyes and/or upper respiratory tract.

### PHYSICAL PROPERTIES\*

PROPERTIES	RESULTS
Density	Nominal 4 lb./ft <sup>3</sup> (64kg/m <sup>3</sup> )
Moisture absorption	<1%; inorganic, will not mildew
Service temperatures	Continues use to 1200°F (649°C)
Linear shrinkage	0% @ 1050°F (551°C); <1% @ 1200°F (649°C)
Recovery after 10% compression	100%
Asbestos	None
Surface burning, CAN4-S102, ASTM E84 and UL723	Flame spread – 5; smoke developed – 0
Non-combustibility, CAN4-S114	Listed as noncombustible by ULC
Non-corrosive, NRC 1.36, ASTM C692, C795 and C871	Will not cause or contribute to corrosion

### THICKNESS AND COMPRESSION DATA

NOMINAL BATT THICKNESS	MAX. WIDTH OF OPENING FOR 25% COMPRESSION		MAX. WIDTH OF OPENING FOR 33% COMPRESSION		
	IN	MM	IN	MM	
1	25	3/4	19	5/8	17
1.5	38	1 1/8	29	1	25
2	50	1 1/2	38	1 5/16	34
3	75	1 3/4	57	2	51
4	100	3	75	2 5/8	68
5 (4+1)	125 (100 + 25)	3 3/4	95	3 5/16	85
5.5 (4 + 1.5)	138 (100 + 38)	4 1/8	105	3 5/8	94
6 (4 + 2)	150 (100 + 50)	4 1/2	114	4	100
7 (4 + 3)	175 (100 + 75)	5 1/4	133	4 5/8	119
8 (4 + 4)	200 (100 + 100)	6	150	5 5/16	136

## FIRESTOP PILLOWS

**Installation:** Do not open bags. NSi FireStop Pillows are installed easily by compressing them to fit tightly in the voids between penetrating items and the perimeter of the opening. They are to be installed with minimum 25% compression of their thickness (the 2 inch dimension). No wire lath or mesh is required. Be careful of sharp corners and protrusions so as not to damage the bags.

**Precautions:** To safely use this product, read and abide by Material Safety Data Sheet (MSDS). Do not open bags.

**Limitations:** Do not install NSi FireStop Pillows where they will be subject to abrasion, physical abuse or traffic. They are not structural and are not designed to support the penetration items they protect nor can they support traffic of any kind.

## FIRESTOP™ INTUMESCENT CAULK

**Installation:** Clean all openings to be firestopped by removing all foreign matter and contaminants such as oil, dust, grease, frost, water, surface dirt, old sealants, glazing compound, protective coatings, etc. Refer to fire test design/system.

**Priming and Masking:** NSi FireStop Intumescent Caulk does not require any priming. However, in view of the unpredictability of surface characteristics, it is recommended that a test sample of sealant be applied on the surface to test adhesion. Areas adjacent to openings to be firestopped can be masked to assure a neat appearance. The masking tape should not be allowed to touch the clean surfaces to which the caulk is to adhere. Remove masking tape immediately.

**Applications:** For “caulk and walk” systems, simply apply the product where required and let cure. Where backer material (mineral wool, backer rod, etc.) is required by fire test design or system, install backer material as specified. Surfaces of backer material to receive caulk should be recessed in the opening to a depth equal to the required thickness of the sealant. Apply NSi Intumescent Caulk in a continuous operation to fill and seal the opening. Tool the caulk to spread it against the backer material and the opening surfaces. Simply fill the annular space to the required depth and form a smooth bead or crown at the surfaces. Excess sealant should be cleaned with water. Cured sealant is usually very difficult to remove without altering or damaging the surface to which it has been misapplied.

**Precautions:** NSi FireStop Intumescent Caulk is a water based product. No acetic acid or objectionable by-products are evolved during application. On direct contact, uncured caulk may irritate eyes. Flush with water and call a physician. Avoid prolonged contact with skin. Keep out of reach of children. To safely use this product, read and abide by Material Safety Data Sheet (MSDS).

**Limitations:** NSi FireStop Intumescent Caulk is intended for use at interior locations in building only. Protect from direct contact with water until cured. Curing time will vary with temperature and humidity. Do not use where abrasion or physical use is anticipated. Installation in confined or air-free spaces may inhibit cure. Do not apply to surfaces with special protective or cosmetic coatings without prior consultation with NSi and first testing adhesion. For optimum economy and performance, apply to a thickness equal to or slightly greater than the minimum test design thickness. Excessive depth to width ratios may cause sealant failure. Do not apply excessive thickness. We recommend the minimum tested system thickness not be exceeded by more than 25%.

### PHYSICAL PROPERTIES\*

PROPERTIES	RESULTS
Appearance	Orange
Odor	Mild
<b>Uncured</b>	
Flow rate (ASTM C920)	115 mils/min
Volatile by volume	16.3%
Tack free time	30 min. (@ 70°F (21°C) 50% RH)
Specific gravity	1.2657
VOC (ASTM D 3960-92)	1.2 lb/gal US (138 g/L)
<b>Cured</b>	
Flow, sag or slump	Nil
Hardness (A) (ASTM D2240)	45
Elongation at break (ASTM D412)	110%
Tensile strength (ASTM D412)	160 psi
Effects of accelerated weathering	
UV exposure (ASTM C920)	No cracking
Cold temperature (ASTM C920)	No cracking

## FIREBLOCK 814™ (COMMERCIAL/RESIDENTIAL)

**Installation:** Clean the area to be protected so that it is clear of debris. When encountering large voids, mineral or rock wool batts may be used as a backer material to help hold the material in place until cured. Fill the annular space or void with NSi FireBlock814 material to a depth of no less than one inch, making sure there are no visible air passages. Allow 48 to 72 hours for proper cure time.

**Applications:** NSi FireBlock814 is an approved firestop designed to be applied in openings around wires, pipes, ducts, blank voids or openings and other electrical and mechanical penetrating items at ceiling and floor levels in one- and two-hour fire rated assemblies. FireStop 814 meets UL 1479/ ASTM-E814 standards for firestopping in commercial and residential requirements.

**Precautions:** No acetic acid or objectionable by-products are evolved during application. Contact with acid will cause evolution of heat. On direct contact, may irritate eyes and skin. Flush with water and call a physician. Avoid prolonged contact with skin. It is recommended to wear rubber gloves, protective eyewear and rubber apron when using NSi FireBlock814. Keep out of reach of children. To safely use this product, read and abide by Material Safety Data Sheet (MSDS).

### PHYSICAL PROPERTIES\*

PROPERTIES	RESULTS
<b>Uncured</b>	
Color	Red
Curing time @ 25°C (77°F)	48 to 72 hours
Specific gravity	1.8

## FIREBLOCK136™ (RESIDENTIAL)

**Installation:** Clean the area to be protected so that it is clear of debris. When encountering large voids, mineral or rock wool batts may be used as a backer material to help hold the material in place until cured. Fill the annular space or void with NSi FireBlock136 material to a depth of no less than one inch, making sure there are no visible air passages. Allow 48 to 72 hours for proper cure time.

**Applications:** NSi FireBlock136 is an approved fire, smoke and draft sealant designed for use in steel and wood frame residential construction. It is to be applied in openings around wires, pipes, ducts, blank voids or openings and other electrical and mechanical penetrating items at ceiling and floor levels in non-rated assemblies. FireBlock exceeds ASTM-E136 standards for fireblocking residential requirements prescribed by all major-model building codes, and also meets or exceeds requirements of UBC, BOCA, SBC, IRC, NYS and MA codes.

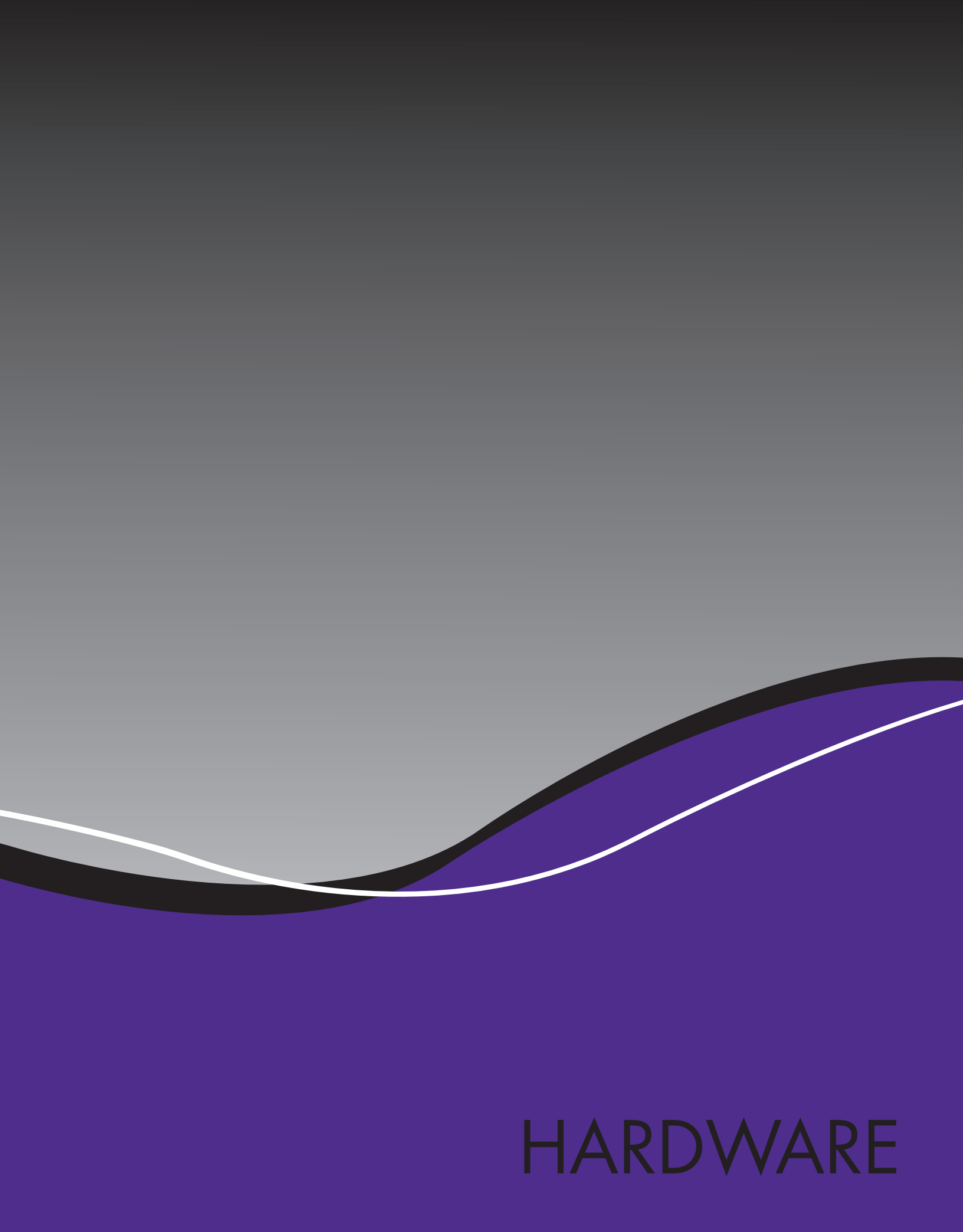
**Precautions:** No acetic acid or objectionable by-products are evolved during application. Contact with acid will cause evolution of heat. On direct contact, may irritate eyes and skin. Flush with water and call a physician. Avoid prolonged contact with skin. It is recommended to wear rubber gloves, protective eyewear and rubber apron when using NSi FireBlock136. Keep out of reach of children. To safely use this product, read and abide by Material Safety Data Sheet (MSDS).

### PHYSICAL PROPERTIES\*

PROPERTIES	RESULTS
<b>Uncured</b>	
Color	Red
Curing time @ 25°C (77°F)	48 to 72 hours
Specific gravity	1.8
VOC (ASTM D 3960-92)	

\*Values given are not intended for specification preparation.





HARDWARE

# Hardware

## SILICON BRONZE BOLTS

### SILICON BRONZE HARDWARE



Corrosion resistance and physical strength combine to provide reliability.

CATALOG NO.	UPC CODE	DIAMETER	LENGTH	CARTON QTY.
HB403	05701	1/4-20	3/4	25
HB404	05702	1/4-20	1	25
HB405	05703	1/4-20	1 1/4	25
HB406	05704	1/4-20	1 1/2	25
HB407	05705	1/4-20	2	25
HB503	05711	5/16-18	3/4	25
HB504	05712	5/16-18	1	25
HB505	05713	5/16-18	1 1/4	25
HB506	05714	5/16-18	1 1/2	25
HB507	05715	5/16-18	2	25
HB603	05721	3/8-16	3/4	25
HB604	05722	3/8-16	1	25
HB605	05723	3/8-16	1 1/4	25
HB606	05724	3/8-16	1 1/2	25
HB607	05725	3/8-16	2	25
HB608	05726	3/8-16	2 1/4	25
HB609	05727	3/8-16	2 1/2	25
HB804	05731	1/2-13	1	25
HB805	05732	1/2-13	1 1/4	25
HB806	05733	1/2-13	1 1/2	25
HB807	05734	1/2-13	2	25
HB808	05735	1/2-13	2 1/4	25
HB809	05736	1/2-13	2 1/2	25
HB811	05738	1/2-13	3	25
HB812	05739	1/2-13	3 1/2	25

### SILICON BRONZE HEX NUTS



CAT. NO.	UPC CODE	SIZE	CTN. QTY.
HN-4	05761	1/4	25
HN-5	05762	5/16	25
HN-6	05763	3/8	25
HN-8	05764	1/2	25

### SILICON BRONZE SPLIT LOCKWASHERS



CAT. NO.	UPC CODE	SIZE	CTN. QTY.
SLW-4	05781	1/4	25
SLW-5	05782	5/16	25
SLW-6	05783	3/8	25
SLW-8	05784	1/2	25

### SILICON BRONZE FLAT WASHERS



CAT. NO.	UPC CODE	SIZE	CTN. QTY.
FW-4	05771	1/4	25
FW-5	05772	5/16	25
FW-6	05773	3/8	25
FW-8	05774	1/2	25

### STAINLESS STEEL HARDWARE



CAT. NO.	UPC CODE	DIAMETER	LENGTH	CARTON QTY.
SS62	05400	3/8-16	1 1/4	50
SS66	05401	3/8-16	2 1/4	50
SS34	05402	1/2-13	1 3/4	50
SS35	05403	1/2-13	2	50
SS36	05404	1/2-13	2 1/4	50
SS37	05405	1/2-13	2 1/2	50
SS311	05406	1/2-13	3 1/2	25
SS15	05407	5/8-11	2	25
SS17	05408	5/8-11	2 1/2	25

### STAINLESS STEEL HEX NUTS



CAT. NO.	UPC CODE	SIZE	CTN. QTY.
SSHN-6	05420	3/8	25
SSHN-8	05421	1/2	25
SSHN-9	05422	5/8	25

### STAINLESS STEEL SPLIT LOCKWASHERS



CAT. NO.	UPC CODE	SIZE	CTN. QTY.
SSSLW-6	05426	3/8	25
SSSLW-8	05427	1/2	25
SSSLW-9	05428	5/8	25

### STAINLESS STEEL FLAT WASHERS

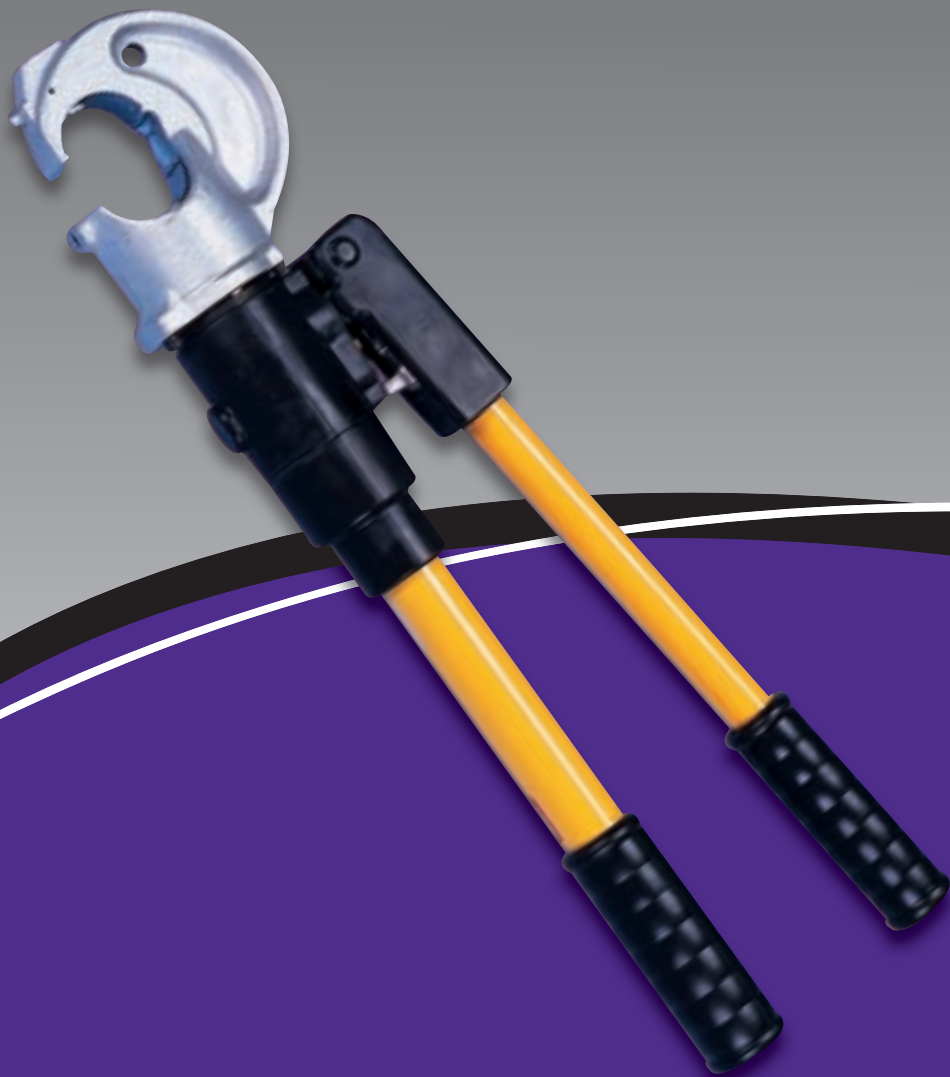


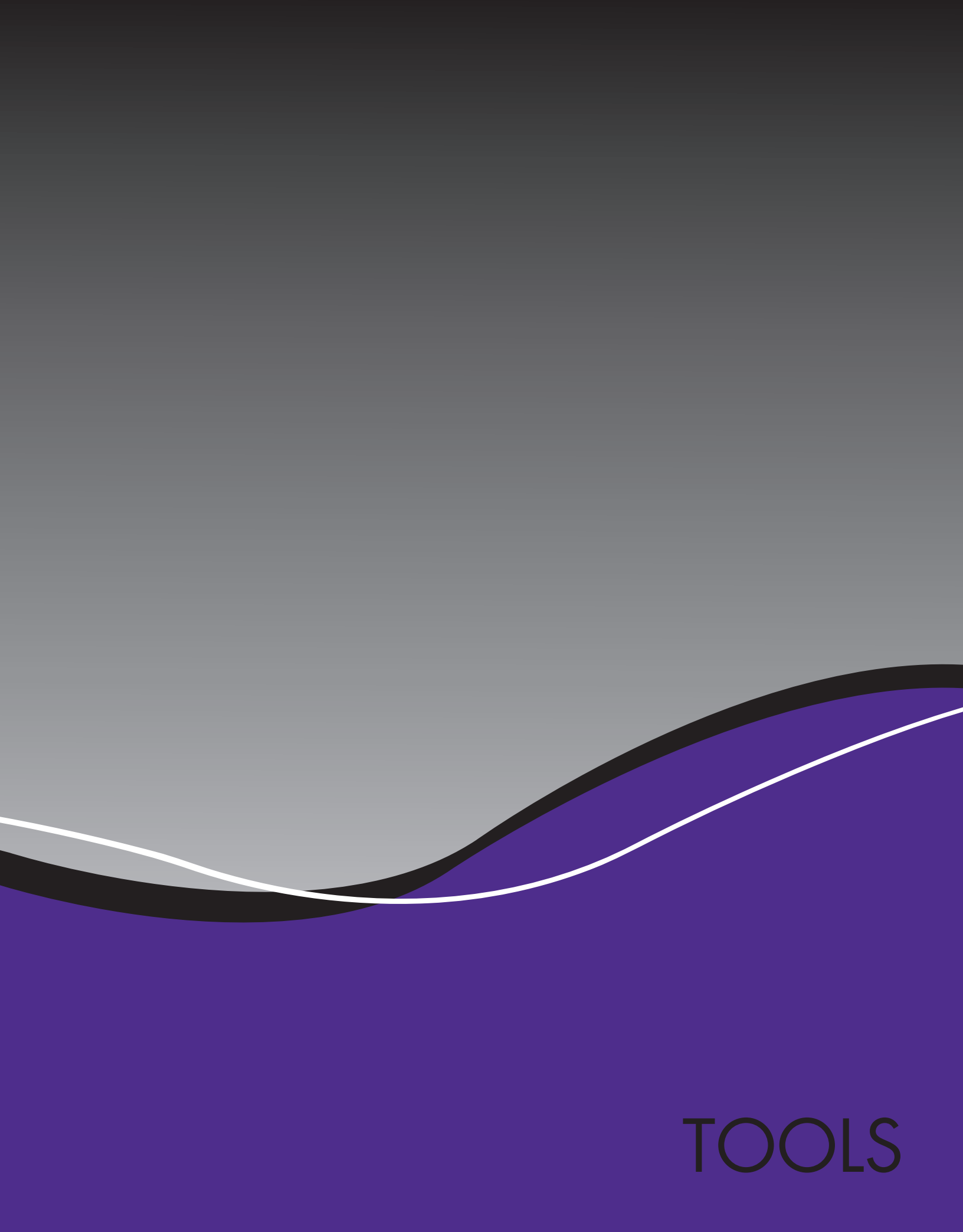
CAT. NO.	UPC CODE	SIZE	CTN. QTY.
SSFW-6	05423	3/8	25
SSFW-8	05424	1/2	25
SSFW-9	05425	5/8	25

### STAINLESS STEEL BELLEVILLE WASHERS



CAT. NO.	UPC CODE	SIZE	CTN. QTY.
SSBW-6	05429	3/8	25
SSBW-8	05430	1/2	25





TOOLS

Get **FREE**  
Compression Tools  
with your  
Compression Startup Display!

*»See page 37 for more information*

### DIELESS HYDRAULIC CRIMPING TOOLS



#### Dieless 500

- Crimps copper or aluminum up to 500 MCM
- Dieless crimping head – no dies to lose or replace
- Patented pressure system automatically changes crimping force for each connector size and type
- Seven-indent profile requires fewer crimps per connector
- Automatic two-speed pump for rapid advance
- Crimping head rotates 180°.
- 8.5 ton max crimping force



#### Dieless 1000

- Crimps copper or aluminum up to 1000 MCM
- Dieless crimping head – no dies to lose or replace
- Patented pressure system automatically changes crimping force for each connector size and type
- Automatic two-speed pump for rapid advance.
- 15 ton max crimping force.

CATALOG NO.	UPC NO.	WIRE RANGE AL-CU		WEIGHT (LBS.)	LENGTH
		MAX.	MIN.		
D-500	67002	500 MCM	6 AWG-AL, 4 AWG-CU	14.75	22.5
D-1000	67003	1000 MCM	6 AWG-AL, 4 AWG-CU	32	26.5

### BATTERY-OPERATED DIE TYPE CRIMPING TOOL



#### Power 750

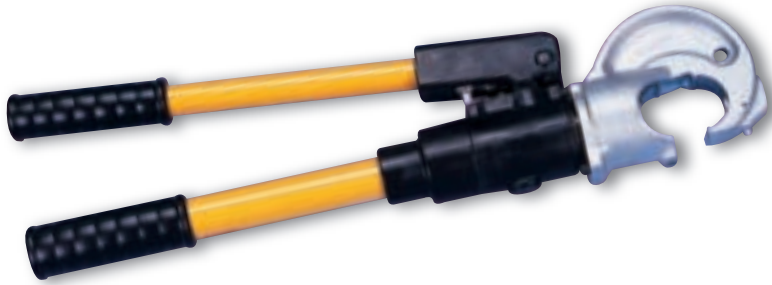
- 14.6 tons, 1.65" jaw opening for U-type dies
- Powerful 14.4 Volt battery crimper
- High power Ni-Cad battery
- Head rotates through 180°
- Reinforced molded nylon body
- Pressure release button
- Switch protected against accidental operation
- Battery condition display
- Balanced tool and sculptured body for greater control
- Ergonomically designed center grip handle
- 10,000 PSI rated operating pressure
- Includes steel carrying case, shoulder strap, spare battery and battery charger.

CATALOG NO.	UPC CODE	WIRE RANGE AL-CU		WEIGHT (LBS.)	LENGTH
		MAX.	MIN.		
P-750	66999	750 MCM	8 AWG	15.4	16.5

# Tools

## HYDRAULIC CRIMPING TOOL & U-TYPE DIES

### HYDRAULIC DIE-TYPE CRIMPING TOOLS



#### 12-Ton Compression Tool for U-Type Dies

- Delivers 12 tons of hydraulic force
- 1 1/2" jaw opening for large conductors and taps
- Automatic two-speed pump action for rapid ram advancement
- Fast ram release with twist of handle
- 180° head rotation
- Accepts all standard U-type dies.

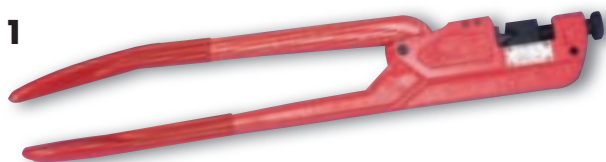
CAT. NO.	UPC CODE	WIRE RANGE AL-CU		WEIGHT (LBS.)	LENGTH
		MAX.	MIN.		
NSI-12	67000	750 MCM	8 STR	13	23

### U-TYPE COMPRESSION DIES FOR USE WITH THE NSI-12 AND TOOLS

CAT. NO.	UPC CODE	DIE INDEX NO.	NSI TOOL DIE INDEX	T&B TOOL DIE INDEX	ILSCO TOOL DIE INDEX	HUSKIE TOOL DIE INDEX	BURNDY TOOL DIE INDEX	COLOR CODE	COPPER LUGS AND SPLICES	WIRE SIZE ALUM. LUGS AND SPLICES	BI-METALLIC PIN TERMINALS
CD2	17102	7/374	AT	24	ILD-2	AT	7	blue	6	8	—
CD3	17103	8/346	AU	29	ILD-3	AU	8	gray	4	6	—
CD4	17104	10	AW	33	ILD-4	AW	10	brown	2	—	—
CD5	17105	11	AX	37	ILD-4	AX	11	green	1	—	—
CD5A	17136	375	GM	3	ILD-4	GM	375	green	1	4	—
CD6	17106	12	AY	42H	ILD-5	AY	12	pink	1/0	—	—
CD6A	17137	348	GF	42H	ILD-5	GF	348	pink	1/0	2	—
CD7	17107	13	AZ	45	ILD-6	AZ	13	black	2/0	—	—
CD9	17109	296	EX	50	ILD-8	EX	296	tan	—	1/0	—
CD10	17110	14	BA	50	ILD-9	BA	14	orange	3/0	—	6, 4, 2, 1
CD11	17111	297	EY	54H	—	EY	297	olive	—	2/0	—
CD12	17112	15	BC	54H	ILD-10	BC	15	purple	4/0	—	—
CD13	17113	467	GW	60	—	GW	467	ruby	—	3/0	—
CD14	17114	16	BE	62	ILD-11	BE	16	yellow	250 MCM	—	—
CD15	17115	17	BF	66	ILD-12	BF	17	white	300 MCM	—	—
CD15A	17130	298	EZ	66	ILD-12	EZ	298	white	300 MCM	4/0	—
CD16	17116	18	BJ	71H	ILD-13	BJ	18	red	350 MCM	—	—
CD16A	17131	324	FW	71H	ILD-13	FW	324	red	350 MCM	250 MCM	1/0, 2/0, 3/0, 4/0
CD17	17117	19	BK	76	ILD-14	BK	19	blue	400 MCM	—	—
CD17A	17132	470	BK	76	ILD-14	BK	470	blue	400 MCM	300 MCM	—
CD18	17118	20	BL	87H	ILD-15	BL	20	brown	500 MCM	—	—
CD18A	17133	299	FA	87H	—	FA	299	brown	500 MCM	350 MCM	250, 300, 350, MCM
CD19	17119	22	HH	94H	ILD-16	HH	472	green	600 MCM	—	—
CD19A	17134	472	BM	94H	ILD-16	BM	22	green	600 MCM	400 MCM	—
CD20	17120	300	FB	99H	ILD-16A	FB	300	pink	—	500 MCM	400, 500 MCM
CD21	17121	24	BP	106H	ILD-17	BP	24	black	750 MCM	—	—
CD21A	17135	743	BP	106H	ILD-17	BP	473	black	750 MCM	600 MCM	—
CD22	17122	301	LJ	115H	—	LJ	936	red	—	750 MCM	—
CD23	17123	936	LJ	115H	—	LJ	936	yellow	—	750 MCM	600, 750 MCM

### MANUAL COMPRESSION TOOLS

1



#### Mechanical Single-Indent Lug Crimpers

- Manually operated single-indent compressor tool
- Wire Range: CU-250 MCM to 8 AWG AL-4/0 AWG to 8 AWG
- Requires no dies.

2



- Extendable handle design provides increased leverage and allows you to crimp connectors up to 500 MCM
- Requires no dies.

3



#### Mechanical Tool

- With 5/8" nose die
- For copper and aluminum.

4



#### Mechanical Tool

- With 'O' and 'D' nose dies
- For copper and aluminum.

CATALOG NO.	UPC CODE	FIGURE NO.	DESCRIPTION	WEIGHT (LBS.)
M-250	05500	1	mechanical crimper – up to 250 MCM	6.0
M-500	05509	2	mechanical crimper – up to 500 MCM	10.5
OD581	01101	3	mechanical crimper for WR series/H-tap connectors with fiberglass handles & 5/8" nose die. Output: 4.5 tons.	7.0
OD59	05535	4	mechanical crimper for WR series/H-tap connectors with fiberglass handles and 'O' and 'D' nose dies. Output: 4.5 tons.	7.0

### INSERT DIES FOR OD581/OD59

CATALOG NO.	UPC CODE	DESCRIPTION	WEIGHT (LBS.)
OJB	01102	'O' die for OD581	1.0
DBL	01103	'D' die for OD581	1.0
BY31	01104	5/8-1 (index 165) for OD581	1.0
BY37C	01105	840 red for OD581	1.0
U-BG	05536	U-BG die for OD59	1.0

### RATCHET-DRIVE CRIMPERS



For non-insulated terminals from 6 to 1/0 AWG and insulated terminals from 22 to 8 AWG. Rugged, compact and lightweight. Requires minimum effort due to ratchet action, ensuring an excellent crimp every time.

CATALOG NO.	UPC CODE	DESCRIPTION	LENGTH	WEIGHT (LBS.)
RDC 1/0	05530	ratchet drive crimper – 6-1/0 AWG uninsulated, 22-8 AWG insulated	16	4.7

# Tools

## MANUAL AND RATCHET-DRIVE CABLE CUTTERS

### MANUAL CABLE CUTTERS FOR COPPER AND ALUMINUM CABLES



- Rugged, lightweight manual cable cutters available in three sizes to handle all sizes of cable.
- Replacement blades are available for CCM-500 and CCM-1000.

CATALOG NO.	UPC CODE	FIG. NO.	CABLE CAPACITY	FOR USE WITH	MAX. INSUL. DIA.	LENGTH	WEIGHT (LBS.)
CCM-350	67050	1	steel	350 MCM	1.25	16	2
CCM-500	67051	2	steel	500 MCM	1.25	21	3.5
CCM-1000	67052	3	fiberglass	1000 MCM	1.90	32	9.0
CCM-500RB	67060			replacement blades for CCM-500			1.5
CCM-1000 RB	67062			replacement blades for CCM-1000			3.0

### RATCHET-DRIVE CABLE CUTTERS

Fine quality tools crafted for cutting ease, minimum cable distortion and long life. Rugged, compact and lightweight. High quality steel blades offer excellent cutting-edge performance. Handles are made from fiberglass. Replacement blades and handles available.

**4**



**5**



**6**



**7**



CATALOG NO.	UPC CODE	FIG. NO.	CABLE CAPACITY	FOR USE WITH	MAX. INSUL. DIA.	LENGTH	WEIGHT (LBS.)
CCR-600	67066	4	600 MCM	copper & aluminum	1.20	10	1.6
CCR-750	67053	5	750 MCM	copper & aluminum	1.40	20	4.5
CCR-1000	67054	6	1000 MCM	copper & aluminum	2.38	20	4.5
CCR-556	67056	7	556 MCM	ACSR	.95	18	4.0
CCR-750 RB	67064			replacement blades for CCR-750			2.0
CCR-1000 RB	67065			replacement blades for CCR-1000			2.0

### MINITERM TOOLS

1



#### Insulated Miniterm Tool

A ratchet-action crimping tool for quality crimping of insulated terminals and connectors, including rings, spades, male plugs, female receptacles and disconnects in 22/18, 16/14 and 12/10 AWG wire sizes.

2



#### Uninsulated Miniterm Tool

An economical combination tool for cutting, stripping and crimping non-insulated terminals in 22/18, 16/14 and 12/10 AWG wire sizes.

### COAXIAL CABLE TOOLS

3



#### Coax Crimp Tool

Provides a precise hex crimp for use with one-piece "F" connectors.

4



#### Coax Strip Tool

Designed to strip RG59, RG6 and Belden 8281 coax cable. To strip the cable, simply turn the tool around the cable 4-5 times and pull the cable from the jaws.

CATALOG NO.	UPC CODE	FIGURE NO.	WEIGHT (LBS.)
NH-1	05501	1	1.0
NH-2	05520	2	0.5
CCT-1	05510	3	1.0
CST-1	05511	4	0.5

### ALL-IN-ONE WIRE STRIPPER AND CRIMPER



High quality, lightweight nick-resistant wire stripper and crimper tool strips wires 22-10 AWG. Crimps insulated and non-insulated terminals 22-10 AWG. Bolt cutting stations and pliers complete this useful tool, which is compact and comfortable in the hand.

CATALOG NO.	UPC CODE	DESCRIPTION	WEIGHT (LBS.)
WSC-1	05531	Wire Stripper and Crimper	0.55



All fishtapes have high-impact nylon, one-piece handles for exceptional durability and ease of use. The standard view points allow you to see how much tape is remaining on the reel. Superior pull-out and rewind characteristics.

### NYLON FISHTAPES

Curl-resistant nylon fishtapes are ideal for both large and small conduit.

CATALOG NO.	UPC CODE	DESCRIPTION	LENGTH	END TYPE	WEIGHT (LBS.)
FTNM35	01633	Nylon Fishtape c/w handle	35 ft.	Formed eyelet	0.67
FTNM100	01634	Nylon Fishtape c/w handle	100 ft.	Formed eyelet	1.76
FTNM150	01635	Nylon Fishtape c/w handle	150 ft.	Formed eyelet	1.76
FTTIP	01636	Malleable tips for nylon tapes - 2 per bag			

### STEEL FISHTAPES

Strong and dependable. Stiffer construction is excellent for long runs.

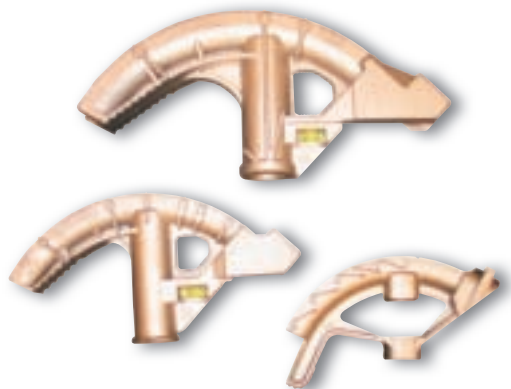
CATALOG NO.	UPC CODE	DESCRIPTION	LENGTH	END TYPE	WEIGHT (LBS.)
FTS50	01637	1/8" Steel Fishtape c/w handle	50 ft.	Formed hook	1.02
FTS120	01638	1/8" Steel Fishtape c/w handle	120 ft.	Formed hook	2.40
FTS200	01639	1/8" Steel Fishtape c/w handle	200 ft.	Formed hook	3.36

### STAINLESS STEEL FISHTAPES

Won't rust or corrode! Making it ideal for damp locations or humid environments. Clean finish prevents unwanted marks.

CATALOG NO.	UPC CODE	DESCRIPTION	LENGTH	END TYPE	WEIGHT (LBS.)
FTSS50	01640	1/8" Stainless Steel Fishtape c/w handle	50 ft.	Formed hook	1.02
FTSS120	01641	1/8" Stainless Steel Fishtape c/w handle	120 ft.	Formed hook	2.40
FTSS200	01642	1/8" Stainless Steel Fishtape c/w handle	200 ft.	Formed hook	3.36

**CONDUIT BENDERS**



All NSi conduit benders have cast in-angle indicators with raised bending points of reference to aid the installer. The bodies are aluminum die cast which are lightweight yet strong enough for everyday use. Handles are tough steel construction and have a black powder coat finish that is textured for better gripping; flared handle corrects overbends.

CATALOG NO.	UPC CODE	DESCRIPTION	TYPE	CARTON QTY.	WEIGHT (LBS.)
CB50	01625	For 1/2" EMT, 5 Degree Inside Radius	Aluminum Die Cast	12	0.99
CB75	01626	For 3/4" EMT or 1/2" Rigid, 6 Degree Inside Radius	Aluminum Die Cast	12	2.00
CB100	01627	For 1" EMT or 3/4" Rigid, 8 Degree Inside Radius	Aluminum Die Cast	12	3.75

**HANDLES**

Handles are made of steel.

CATALOG NO.	UPC CODE	DESCRIPTION	LENGTH	CARTON QTY.	WEIGHT (LBS.)
CBH75	01628	3/4" Diameter, for use with CB50 and CB75	38" Length	12	3.49
CBH100	01629	1" Diameter, for use with CB100	44" Length	12	5.80

**CONDUIT BENDERS WITH HANDLES**

Aluminum Die Cast Bender with Steel Handle

CATALOG NO.	UPC CODE	DESCRIPTION	HANDLE SIZE	CARTON QTY.	WEIGHT (LBS.)
CB50WH	01630	For 1/2" EMT, 5 Degree Inside Radius	3/4" x 38"	12	4.48
CB75WH	01631	For 3/4" EMT or 1/2" Rigid, 6 Degree Inside Radius	3/4" x 38"	12	5.49
CB100WH	01632	For 1" EMT or 3/4" Rigid, 8 Degree Inside Radius	1" x 44"	12	9.55

### TESTERS

CATALOG NO.	UPC CODE	DESCRIPTION	CATALOG NO.	UPC CODE	DESCRIPTION
<b>SCREWDRIVER PROBE VOLTAGE TESTER</b> 			<b>GFI RECEPTACLE TESTER</b> 		
TES-101	78658	 <p>Checks 80-250V AC, no test leads required. Insulated screwdriver tip with pocket clip.</p>	TES-131	78664	 <p>Tests 110 - 125V AC GFI Receptacle. Detects in correct wiring. Various combinations of three lights indicate if circuit is ok or up to six possible faulty conditions.</p>
<b>SCREWDRIVER PROBE VOLTAGE TESTER</b> 			<b>TWO-POLE VOLTAGE TESTER</b> 		
TES-102	78659	 <p>Checks 80-250 AC, no test leads required. Insulated screwdriver tip with pocket clip.</p>	TES-141	78665	 <p>This convenient tester has three neon lamp indicators for voltage readings at 120, 240 and 440V AC and 150, 300 and 500V DC.</p>
<b>TWIN LEAD CIRCUIT TESTER</b> 			<b>TWO-POLE VOLTAGE TESTER</b> 		
TES-111	78660	 <p>Checks 80V-500V AC/DC. Built in lamp glows if circuit is live. With pocket clip.</p>	TES-142	78666	 <p>This economical voltage tester features 2 LED and three neon lamp indicators for voltage readings at 120, with 4.5 to 400 volts AC or DC.</p>
<b>FOUR WAY CIRCUIT TESTER</b> 			<b>TWO-POLE VOLTAGE &amp; CONTINUITY TESTER</b> 		
TES-121	78662	 <p>Checks 110V, 220V, 277V and 460V AC/DC. Reinforced case and test leads. Neon indicators.</p>	TES-143	78667	 <p>Tests for voltage continuity and polarity. For use with 4.5 to 440V AC/DC applications. Light-emitting diodes let you check polarity at a glance. Tests semi-conductors for continuity. Powered by 12 volt battery.</p>
<b>RECEPTACLE TESTER</b> 			<b>HEAVY DUTY SOLENOID VOLTAGE TESTER</b> 		
TES-122	78663	 <p>Tests 110-125V AC. Detects faulty wiring in three wire receptacles. Various combinations of three lights indicate if circuit is ok up to six possible faulty conditions.</p>	TES-151	78668	 <p>Tests voltage from 120 to 600V AC/DC. Case serves as prod holder for one hand operation. Dual voltage indication. Solenoid vibration sensing and electronic neon and visual indication. Positive or negative polarity of DC indicated by neon lamp.</p>
			<b>HEAVY DUTY SOLENOID VOLTAGE AND CONTINUITY TESTER</b> 		
			TES-152	78669	 <p>Tests voltage from 6 to 600V AC/DC and continuity. Case serves as prod holder for one hand operation. Self storing prods. Positive or negative polarity of DC indicated by LED/s. Ergonomic soft PVC housing for comfort grip. Two AAA batteries included.</p>

### INSULATED HEX WRENCHES



- Fully-insulated handles rated 1000 Volts
- Provides for extra margin of safety and comfort.

CATALOG NO.	UPC CODE	SIZE
HEX-1	67010	1/16
HEX-2	67011	5/64
HEX-3	67012	3/32
HEX-4	67013	7/64
HEX-5	67014	1/8
HEX-6	67015	9/64
HEX-7	67016	5/32
HEX-8	67017	3/16
HEX-9	67018	7/32
HEX-10	67019	1/4
HEX-11	67020	5/16
HEX-12	67021	3/8
HEX-13	67022	7/16
HEX-14	67023	1/2

### INSULATED HEX WRENCH KITS

CATALOG NO.	UPC CODE	SIZES
HEX-20	67024	7 PIECE SET 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4
HEX-21	67025	10 PIECE SET 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8
HEX-22	67026	14 PIECE SET 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2

### OXIDE INHIBITOR

1



2



3



- Universal Oxide Inhibitor for aluminum and/or copper terminations.
- Remains stable over a wide temperature range.
- Supplied in clear, easy-squeeze bottles or tubes.

CAT. NO.	UPC CODE	FIG. NO.	SIZE	DESCRIPTION	CARTON QTY.	SHPG.WT. PER CTN.
OX-8	05521	1	8 oz.	oxide inhibitor squeeze bottle	12	7
OX-4	05513	2	4 oz.	oxide inhibitor squeeze bottle	12	4
OX-1	05512	3	3/4 oz.	oxide inhibitor squeeze tube	100	8

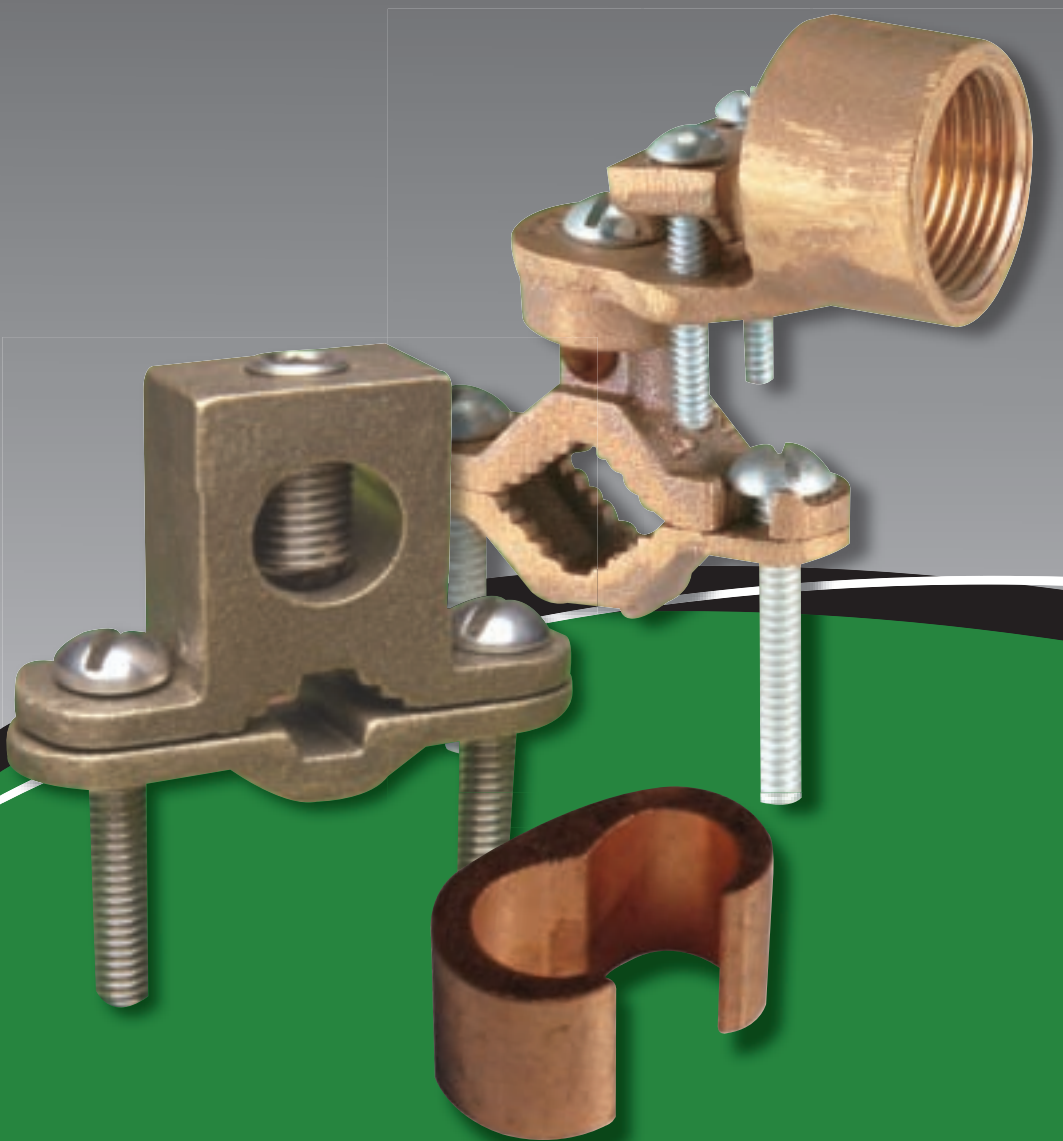
### DUCT SEALING COMPOUND

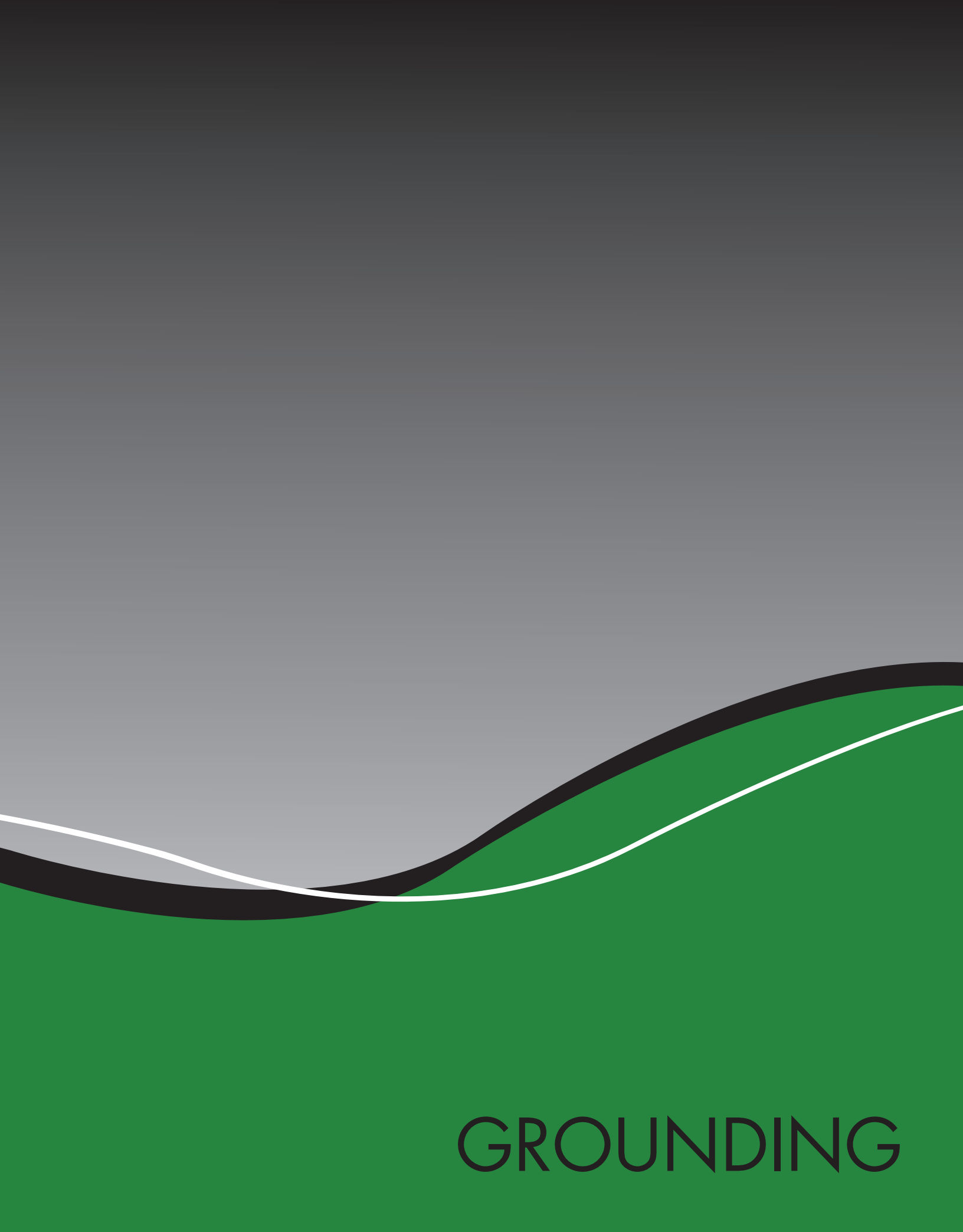


Intended for sealing around electrical service entries, junction boxes and other devices where weather-proofing is critical. Will stay soft and pliable for several years and has an excellent shelf life. Will not damage wire covers, glass, wood, painted surfaces, plastics or other materials it may contact. It is chemically

inert, inhibiting no chemical activity and is nontoxic. Contains no asbestos or mineral fibers and no mineral oil which can shorten the effective life of the product. Remains pliable through a wide range of temperatures and will adhere to most clean dry surfaces.

CAT. NO.	UPC CODE	DESCRIPTION	CARTON QTY.	SHPG.WT. EACH
DS184	05525	duct seal – 1 lb. pkg.	50	50 lbs.
DS185	05526	duct seal – 5 lb. pkg.	10	50 lbs.

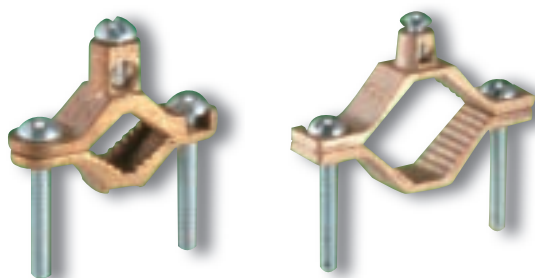




GROUNDING



### BRONZE GROUND CLAMPS



Bronze ground clamp for bonding bare copper wire to water pipe or for use as a water meter shunt.

CATALOG NO.	UPC CODE	WATER PIPE SIZE	GROUND WIRE RANGE	PCS. PER CARTON	SHPG. WT. LBS./100
G-1-S*	01004	1/2 - 1	10 sol - 2/0 str	20	24
G-1-S-D*	78988	1/2 - 1	10 sol - 2/0 str	20	24
G-2-S*	01005	1 1/4 - 2	10 sol - 2/0 str	10	45
G-4-S	01031	2 1/2 - 4	10 sol - 2/0 str	6	105
G-6-S	01045	4 1/2 - 6	10 sol - 2/0 str	3	202

\*Also cULus listed.

### HEAVY DUTY BRONZE GROUND CLAMPS



Bronze water pipe clamps with serrated head. Heavy duty construction. Cast bronze body with plated steel screws. Designed for use alone or with heavy duty bronze adapters.

CATALOG NO.	UPC CODE	WATER PIPE SIZE	GROUND WIRE RANGE	PCS. PER CARTON	SHPG. WT. LBS./100
G-1	01010	1/2 - 1	10 sol - 2/0 str	25	21
G-2	01011	1 1/4 - 2	10 sol - 2/0 str	15	43
G-12	01012	2 1/2 - 4	10 sol - 2/0 str	6	81
G-13	01013	4 1/2 - 6	10 sol - 2/0 str	4	115

### ALUMINUM GROUND CLAMPS



Dual-rated ground clamp that grounds aluminum or copper to water pipe, galvanized pipe or steel conduit. They are constructed from high-strength, extruded aluminum alloy and are plated to provide low-contact resistance.

CATALOG NO.	UPC CODE	WATER PIPE SIZE	GROUND WIRE RANGE	PCS. PER CARTON	SHPG. WT. LBS./100
GCA-1	01000	1/2 - 1	1/0 - 14	25	19
GCA-2	01001	1 1/4 - 2	250 - 6	10	43
GCA-4	01002	2 1/2 - 4	250 - 6	3	101

# Grounding

## DIRECT BURIAL, HEAVY DUTY & EXTRA HEAVY DUTY GROUND CLAMPS

### DIRECT BURIAL BRONZE GROUND CLAMPS



UL Listed for direct burial in earth or concrete. Screws are silicon bronze.

CATALOG NO.	UPC CODE	CONDUIT SIZE (INCHES)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG. WT. LBS./100
G-1-S-DB	01008	1/2 - 1	10 sol - 2/0 str	20	28
G-2-S-DB	01009	1 1/4 - 2	10 sol - 2/0 str	10	49

### HEAVY DUTY BRONZE GROUND CLAMP - DIRECT BURIAL FOR REBAR



Used to connect bare copper wire to water pipe, ground rods and rebar for bonding. Assembled with copper screws and UL Listed for direct burial in earth and concrete. Can accommodate ground wires up to 2 AWG.

CATALOG NO.	UPC CODE	WATER PIPE SIZE (INCHES)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG. WT. LBS./100
G-1-S-DBR	00533	3/8 - 1	10 sol - 2/0 str	20	28

### EXTRA HEAVY DUTY DIRECT BURIAL GROUND CLAMP



This incredible ground clamp can handle just about any size ground wire and just about any application. UL Listed for direct burial in earth and concrete, it can be used with rebar, water pipe, copper tubing and ground

rods up to 1 inch in diameter. Assembled with tough, stainless steel screws. Will accommodate ground wires from 8 AWG to 4/0 AWG.

CATALOG NO.	UPC CODE	GROUND WIRE RANGE	PIECES PER CARTON	SHPG. WT. LBS./100
G-140DB	00555	8 stranded - 4/0 stranded	10	45

### HEAVY DUTY DIRECT BURIAL GROUND CLAMP WITH LAY-IN FEATURE



The ultimate ground clamp for large ground wires. This incredible ground clamp can handle just about any size ground wire and just about any application. The lay-in feature provides for the ultimate in flexibility. UL Listed for direct burial in earth and concrete, it can

be used with rebar, water pipe, copper tubing and ground rods up to 1 inch in diameter. Screws conveniently pre-assembled. Will accommodate ground wires from 8 AWG to 4/0 AWG.

CATALOG NO.	UPC CODE	WATER PIPE SIZE (INCHES)	GROUND WIRE RANGE	SCREW MATERIAL	PIECES PER CARTON	SHPG. WT. LBS./100
GLC-140DB*	00556	1/2 - 1	8 stranded - 4/0 stranded	stainless steel	10	55
GLC-240DB	00718	1 1/4 - 2	8 stranded - 4/0 stranded	stainless steel	6	67
GLC-440DB	00719	2 1/2 - 4	8 stranded - 4/0 stranded	stainless steel	3	110
GLC-12 DB*	00534	1/2 - 1	#10 - 2 stranded	silicon bronze	25	31
GLC-12 RDB*	00535	1/2 - 1	#10 - 2 stranded	silicon bronze	25	31

\*Also cULus listed. Suitable for: 3/8 - 1" rebar, 1/2 - 1" water pipe, 1/2 - 1" copper water tubing, 1/2 - 1" ground rod

### BRONZE GROUND CLAMPS WITH WIRE ADAPTERS



For connecting wire to water pipe for grounding. Special pressure bar grips cable to lessen chances of grounding conductor being pulled out. Assembled with zinc-plated steel screws.

CATALOG NO.	UPC CODE	WATER PIPE SIZE (INCHES)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG. WT. LBS./100
G-20	01032	1/2 - 1	4, 6, 8 stranded	20	31
G-66	01048	1 1/4 - 2	4, 6, 8 stranded	10	52

### DIRECT BURIAL GROUND CLAMP WITH WIRE ADAPTERS



UL Listed for direct burial in earth or concrete. For connecting wire to water pipe for grounding. Special pressure bar grips cable armor to lessen chances of grounding conductor being pulled out. Assembled with silicon bronze screws.

CATALOG NO.	UPC CODE	WATER PIPE SIZE (INCHES)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG. WT. LBS./100
G-20-DB	01120	1/2 - 1	4, 6, 8 stranded	20	31

### BRONZE GROUND CLAMP WITH BRASS SCREWS



Bronze ground clamp for bonding bare copper wire to water pipe. Assembled with brass screws.

CATALOG NO.	UPC CODE	WATER PIPE SIZE (INCHES)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG.WT. LBS./100
G-1-S-BS	01006	1/2 - 1	10 sol - 2/0 str	20	24
G-2-S-BS	01007	1 1/4 - 2	10 sol - 2/0 str	10	45
G-4-S-BS	01140	2 1/2 - 4	2 stranded	6	105

### BRONZE GROUND CLAMPS WITH ADAPTER AND BRASS SCREWS



Bronze water pipe clamps with bronze adapters. Assembled with brass screws.

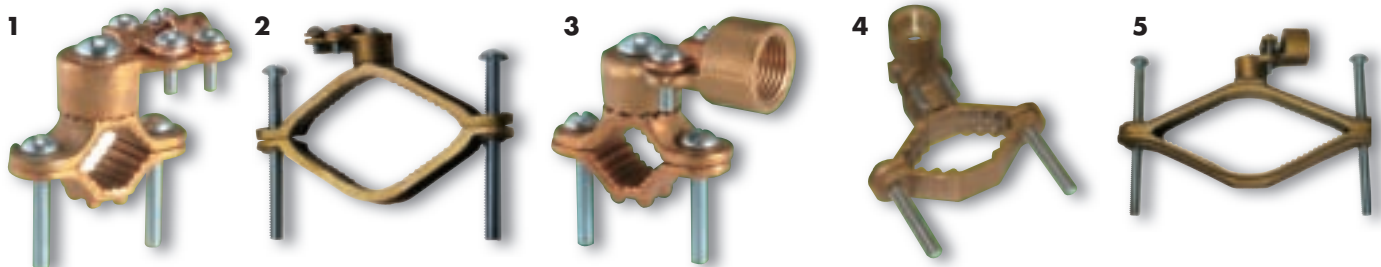
CATALOG NO.	UPC CODE	WATER PIPE SIZE (INCHES)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG. WT. LBS./100
G-3-BS	01041	1/2 - 1	8 - 4/0 stranded	20	35

# Grounding

## HEAVY DUTY BRONZE GROUND CLAMPS WITH WIRE ADAPTERS

### HEAVY DUTY BRONZE GROUND CLAMPS

Heavy duty bronze adapters have serrations that match the serrations on the ground clamp, assuring positive lock. All adapters fit all clamps – for the ultimate in flexibility.



CATALOG NO.	UPC CODE	FIGURE NO. (SIMILAR TO:)	WATER PIPE SIZE (IN)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG. WT. LBS./100
G-3	01014	1	1/2 - 1	8 - 4/0 stranded	20	35
G-4	01015	1	1 1/4 - 2	8 - 4/0 stranded	10	57
G-15	01016	2	2 1/2 - 4	8 - 4/0 stranded	6	95
G-16	01017	2	4 1/2 - 6	8 - 4/0 stranded	3	132

### HEAVY DUTY BRONZE GROUND CLAMPS FOR RIGID CONDUIT

CATALOG NO.	UPC CODE	FIGURE NO. (SIMILAR TO:)	CONDUIT HUB SIZE (IN)	WATER PIPE SIZE (IN)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG. WT. LBS./100
G-5	01018	3	1/2	1/2 - 1	10 sol - 2/0 str	15	44
G-6	01019	4	1/2	1 1/4 - 2	10 sol - 2/0 str	10	69
G-18	01020	2	1/2	2 1/2 - 4	10 sol - 2/0 str	6	103
G-19	01021	2	1/2	4 1/2 - 6	10 sol - 2/0 str	3	138
G-7	01022	3	3/4	1/2 - 1	10 sol - 3/0 str	15	48
G-8	01023	4	3/4	1 1/4 - 2	10 sol - 3/0 str	8	72
G-21	01024	5	3/4	2 1/2 - 4	10 sol - 3/0 str	6	108
G-22	01025	5	3/4	4 1/2 - 6	10 sol - 3/0 str	3	143
G-9	01026	2	1	1/2 - 1	10 sol - 3/0 str	12	58
G-10	01027	2	1	1 1/4 - 2	10 sol - 3/0 str	8	80
G-24	01028	2	1	2 1/2 - 4	10 sol - 3/0 str	6	117
G-25	01029	2	1	4 1/2 - 6	10 sol - 3/0 str	3	153

### GROUNDING CONNECTORS FOR ALUMINUM AND COPPER WIRES

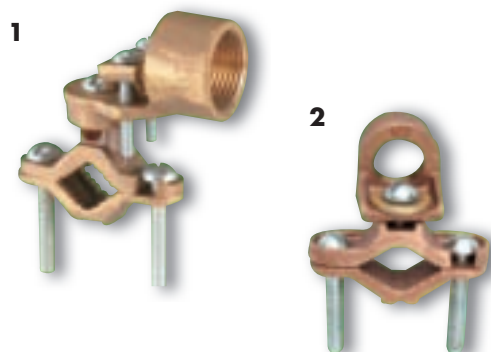


These grounding connectors are designed for aluminum and copper wiring related to Telephone, CATV or radio TV antennae. They are corrosion resistant, include ss mounting hardware and provide easy

access for inspection. The lay-in clamp allows for easy installation of grounding wire, while the housing is impact resistant and UV stabilized. UL467 rated, for outdoor use.

CATALOG NO.	UPC CODE	NO. OF PORTS	WIRING (AL & CU)	TIGHTENING TORQUES	PIECES PER CARTON	SHPG. WT. LBS./100
EGB-4	00537	4	2-14	#2-10 = 50 in/lbs #14CU = 35 in/lbs #14AL = 30 in/lbs	3	20
EGB-7	00538	7	2-14	#2-10 = 50 in/lbs #14CU = 35 in/lbs #14AL = 30 in/lbs	3	20

### BRONZE GROUND CLAMPS WITH ADAPTERS



Bronze water pipe clamps with bronze adapters. Excellent quality yet economical. All adapters are interchangeable. Assembled with zinc-plated steel screws. Hub swings 360° for easy alignment.

CATALOG NO.	UPC CODE	FIGURE NO. (SIMILAR TO:)	CONDUIT HUB SIZE (IN)	WATER PIPE SIZE (IN)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG. WT. LBS./100
EG-3	01060	1	1/2	1/2 - 1	10 sol - 2/0 str	20	32
EG-4	01061	1	1/2	1 1/4 - 2	10 sol - 2/0 str	10	54
EG-15	01062	1	1/2	2 1/2 - 4	10 sol - 2/0 str	6	90

### BRONZE GROUND CLAMPS WITH ADAPTERS FOR RIGID CONDUIT

CATALOG NO.	UPC CODE	FIGURE NO. (SIMILAR TO:)	CONDUIT HUB SIZE (IN)	WATER PIPE SIZE (IN)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG. WT. LBS./100
EG-5	01058	1	1/2	1/2 - 1	10 sol - 2/0 str	15	41
EG-6	01063	2	1/2	1 1/4 - 2	10 sol - 2/0 str	10	66
EG-18	01064	1	1/2	2 1/2 - 4	10 sol - 2/0 str	6	98
EG-7	01065	1	3/4	1/2 - 1	10 sol - 2/0 str	15	45
EG-8	01066	1	3/4	1 1/4 - 2	10 sol - 2/0 str	8	69
EG-9	01068	2	1	1/2 - 1	10 sol - 3/0 str	12	55
EG-10	01069	1	1	1 1/4 - 2	10 sol - 3/0 str	8	76
EG-24	01059	1	1	2 1/2 - 4	10 sol - 3/0 str	6	111

### ZINC DIE-CAST GROUND CLAMPS



Die cast from high-strength zinc alloy. Used to connect bare copper wire for grounding.

CATALOG NO.	UPC CODE	CONDUIT SIZE (IN)	GROUND WIRE RANGE	PIECES PER CARTON	SHPG.WT. LBS./100
GZ-1	01030	1/2 - 1	2 - 10	25	17
GZ-1-D	01030	1/2 - 1	2 - 10	1	17
GZB-1*	01039	1/2 - 1	2 - 10	25	17

\*Not UL/CSA listed.

# Grounding

BRONZE GROUND CLAMPS FOR RIGID CONDUIT & CONDUIT HUBS

## BRONZE GROUND CLAMPS FOR RIGID CONDUIT WITH FLEXIBLE COPPER STRAP



For connecting the grounding conductor in rigid conduit to water pipe. The copper strap allows flexibility during grounding and helps protect the conduit system from the results of vibrations in the water system. Assembled with zinc-plated steel screws.

CATALOG NO.	UPC CODE	CONDUIT HUB SIZE (IN)	WATER PIPE SIZE (IN)	GROUND WIRE RANGE	CARTON QTY.	SHPG.WT. LBS./100
G-90	01040	1/2	1/2 - 1	10 sol - 2/0 str	15	49
G-75	01042	1/2	1/2 - 1	10 sol - 2/0 str	12	54
G-79	01044	3/4	1/2 - 1	10 sol - 2/0 str	12	58
G-83	01046	1	1/2 - 1	10 sol - 3/0 str	12	68

## ECONOMY CONDUIT HUBS FOR GROUND CLAMPS



Threaded hub cast of high-strength, highly conductive bronze. Used with ground clamp to ground conductor to water pipe.

CATALOG NO.	UPC CODE	CONDUIT HUB SIZE (IN)	GROUND WIRE RANGE	CARTON QTY.
GH-50	01033	1/2	8 sol - 4 str	50
GH-75	01034	3/4	8 sol - 4 str	25
GH-100	01035	1	8 sol - 4 str	15

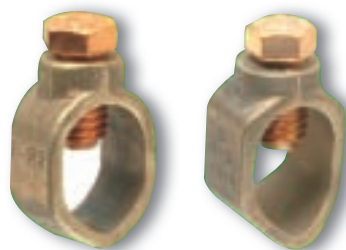
## 360° SWING TYPE CONDUIT HUBS



Threaded hub cast of high-strength, highly conductive bronze. Used with ground clamp to ground conductor to water pipe. Allows entry from any direction.

CATALOG NO.	UPC CODE	CONDUIT HUB SIZE	GROUND WIRE RANGE	CARTON QTY.
GHM-50	01036	1/2	10 sol - 2/0 str	50
GHM-75	01037	3/4	10 sol - 2/0 str	25
GHM-100	01038	1	10 sol - 3/0 str	15

### SILICON BRONZE GROUND ROD CLAMPS - STANDARD DUTY



Ground rod clamps are made from silicon bronze for maximum strength. A silicon bronze screw furnishes maximum clamping force. All standard duty and heavy duty ground clamps are UL Listed for direct burial in earth or concrete.

CATALOG NO.	UPC CODE	GROUND ROD SIZE (IN)	GROUND WIRE MAXIMUM	CARTON QTY.
GRC 38*	01050	3/8	10 sol – 4 str	50
GRC 50	01051	1/2	10 sol – 2 str	25
GRC 58	01052	5/8	10 sol – 1/0 str	25
GRC 34	01053	3/4	10 sol – 1 str	20

\*Not UL Listed

### SILICON BRONZE GROUND ROD CLAMPS - HEAVY DUTY

CATALOG NO.	UPC CODE	GROUND ROD SIZE (IN)	GROUND WIRE MAXIMUM	CARTON QTY.
GRC 50 H	01054	1/2	10 sol – 2 str	25
GRC 58 H	01055	5/8	10 sol – 1/0 str	20
GRC 34 H	01056	3/4	8 sol – 1/0 str	20
GRC 100 H	01057	1	8 sol – 4/0 str	10

### RANGE-TAKING GROUND ROD CLAMP



This heavy duty ground rod clamp replaces all existing ground rod clamps, eliminating the need to stock several different sizes and types. UL listed for direct burial in earth and concrete, the heavy duty construction enables it to

handle large ground wires up to 1/0 AWG – much larger than a standard ground rod clamp. Suitable for: 3/8", 1/2", 5/8", 3/4" ground rods.

CATALOG NO.	UPC CODE	GROUND WIRE RANGE	GROUND ROD SIZE (IN)	SCREW MATERIAL	CARTON QUANTITY
GRC-3834	00557	10 sol – 1/0 str	3/8, 1/2, 5/8, 3/4	silicon bronze	25

### POLE BOTTOM GROUND PLATE



For installation on butt end of poles for low-resistance ground. Copper terminal lug provides connection to grounding conductor.

CATALOG NO.	UPC CODE	GROUND WIRE RANGE	DIAMETER	CARTON QTY.	SHPG.WT. LBS./100
GP100	08330	8 sol – 2 str	7.5	40	48

# Grounding

## HEAVY DUTY GROUND CONNECTORS FOR COPPER CABLES

### HEAVY DUTY GROUND CONNECTORS FOR PARALLEL OR 90° COPPER CABLES



Made of high-copper-content alloy for grounding to 1/2" - 1" ground rods and ground pipes from 1/4" - 3 1/2" in parallel or 90° position. Suitable for direct burial in earth and concrete. Nuts and lockwashers are silicon bronze.

CATALOG NO.	UPC CODE	ROD SIZE (INCHES)	PIPE SIZE (INCHES)	CABLE RANGE	CARTON QTY.
UC-101	10800	1/2	1/4	2/0 - 4	12
UC-102*	10801	1/2	1/4	250-2/0	12
UC-103	10802	5/8 - 3/4	3/8	4 - 8	12
UC-104	10803	5/8 - 3/4	3/8	2/0 - 4	12
UC-105	10804	5/8 - 3/4	3/8	250 - 2/0	12
UC-108	10805	7/8 - 1	1/2 - 3/4	2/0 - 4	12
UC-109	10806	7/8 - 1	1/2 - 3/4	250 - 2/0	12
UC-110*	10807	7/8 - 1	1/2 - 3/4	300-500	6
UC-114	10808	-	1	2/0 - 4	12
UC-115	10809	-	1	250 - 2/0	12
UC-120	10810	-	1 1/4	2/0 - 4	12
UC-121	10811	-	1 1/4	250 - 2/0	12
UC-126	10812	-	1 1/2	2/0 - 4	12
UC-127	10813	-	1 1/2	250 - 2/0	12
UC-132	10814	-	2	2/0 - 4	12
UC-133	10815	-	2	250 - 2/0	6
UC-137	10816	-	2 1/2	2/0 - 4	6
UC-138	10817	-	2 1/2	250 - 2/0	6
UC-142	10818	-	3	2/0 - 4	6
UC-143	10819	-	3	250 - 2/0	6
UC-147	10820	-	3 1/2	2/0 - 4	3
UC-148*	10821	-	3 1/2	250 - 2/0	3

\*Not UL Listed

### HEAVY DUTY GROUND CONNECTORS FOR TWO PARALLEL COPPER CABLES



Suitable for direct burial in earth or concrete.

CATALOG NO.	UPC CODE	PIPE SIZE (INCHES)	CABLE RANGE	CARTON QTY.
UC-214	10828	1	2/0 - 4	6
UC-215	10829	1	250 - 2/0	6
UC-220	10840	1 1/4	2/0 - 4	6
UC-221	10841	1 1/4	250 - 2/0	6
UC-226	10842	1 1/2	2/0 - 4	6
UC-227	10843	1 1/2	250 - 2/0	6
UC-232	10844	2	2/0 - 4	6
UC-233	10845	2	250 - 2/0	3
UC-237	10846	2 1/2	2/0 - 4	3
UC-238	10847	2 1/2	250 - 2/0	3
UC-242	10848	3	2/0 - 4	3
UC-243	10849	3	250 - 2/0	3

### HEAVY DUTY GROUND CONNECTORS FOR THREE PARALLEL COPPER CABLES



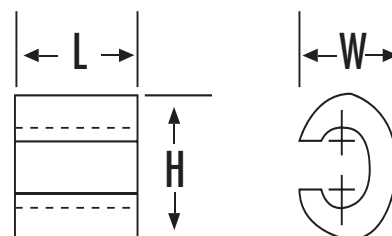
Suitable for direct burial in earth or concrete.

CATALOG NO.	UPC CODE	PIPE SIZE (INCHES)	CABLE RANGE	CARTON QTY.
UC-315	10861	1	250 - 2/0	6
UC-320	10862	1 1/4	2/0 - 4	6
UC-326	10864	1 1/2	2/0 - 4	6
UC-327	10865	1 1/2	250 - 2/0	6
UC-332	10866	2	2/0 - 4	6
UC-333	10867	2	250 - 2/0	3
UC-338	10869	2 1/2	250 - 2/0	3
UC-342	10870	3	2/0 - 4	3
UC-343	10871	3	250 - 2/0	3

### COPPER 'C' TAPS



Copper "C" Taps are range-taking compression connectors made from high conductivity copper alloy. They are used for making tap or parallel copper connections from 8 SOL to 4/0 STR conductors. C-Tap connectors provide consistent reliability with heavy wall construction that prevents relaxation of the joint after installation. Installation time is reduced because of its "C" shape. UL CU486A, 467 suitable for direct burial and CSA rated Electrical and Grounding.

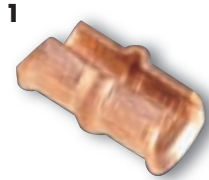


CAT. NO.	UPC CODE	CONDUCTOR RANGE		APPROX DIMENSIONS (IN)			INSTALLATION TOOLING				STRIP LENGTH
		RUN	TAP	L	H	W	TPU-12B DIE INDEX	NO. CRIMPS	DIELESS TOOL PRESS SETTING	NO. CRIMPS	
CTH-46	02214	6 sol - 4 str	6 sol - 6 str	5/8	3/4	7/16	BG	1	2	1	3/4
CTH-44	02215	6 sol - 4 str	4 sol - 4 str	5/8	13/16	7/16	BG	1	2	1	3/4
CTH-24	02216	2 sol - 2 str	8 sol - 4 str	3/4	1	5/8	C	1	4	1	7/8
CTH-22	02217	2 sol - 2 str	2 sol - 2 str	3/4	1	5/8	C	1	4	1	7/8
CTH-2020	02218	1/0 str - 2/0 str	1/0 str - 2/0 str	15/16	13/18	13/16	0	1	5	1	11/16
CTH-4020	02219	3/0 str - 4/0 str	1/0 str - 2/0 str	11/16	15/8	1	D3	1	5	1	13/16
CTH-4040	02220	3/0 str - 4/0 str	3/0 str - 4/0 str	11/16	19/16	1	D3	1	5	1	13/16

# Grounding

## C TAPS COPPER COMPRESSION CONNECTORS

**C TAPS**  



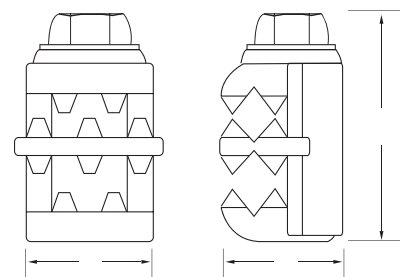
These taps ensure positive, all-around compression with low resistance and high pull-out values. Made of high conductivity copper, they satisfy the requirements of NEC250-81 and 250-91 for connecting to the grounding electrode system. Rated for 600V applications.

CAT. NO.	UPC CODE	FIG. NO.	WIRE SIZE		COLOR CODE	INTLG. DIES	TOOL	CTN. QTY.	SHIP. WT. LBS./100
			MAIN	BRANCH					
CT-101	09800	1	14 12	16 14	red	–	hand	100	1.0
CT-102	09801	1	10 8	10 12	blue	–	hand	100	1.0
CT-103	09802	1	6 8	10-12 8-10	gray	–	hand	100	1.2
CT-104	09803	1	4 or 5 6	8-10-12 6-8	brown	–	hand	100	2.8
CT-106	09805	1	3 4	5 4	pink	–	hand	100	4.1
CT-107	09806	1	1 2 3	– 4-5 3-4	black	–	hand	50	7.0
CT-108	09807	1	1/0 1 2	4 3-4 2-3	orange	–	hand	50	9.1
CT-109	09808	1	2/0 1/0 –	3-4 2-3 1-2	purple	–	hand	50	9.5
CTH-111	09810	2	1 1/0 2/0 3/0 4/0	1 1/0-2 2/0-4 1/0-6 1-8	blue	14,19,76	hydr.	25	9.6
CTH-112	09811	2	2/0 3/0 4/0 250	2/0-1 3/0-3 4/0-4 1/0-8	brown	15,20,87H	hydr.	25	1.8
CTH-113	09812	2	2/0 3/0 4/0 250 300	2/0-1 3/0-2 4/0-4 3/0-6 2/0-8	pink	–,300,99H	hydr.	12	22
CTH-114	09813	2	4/0 250 300 350	4/0-2/0 250-14/0- 43/0-6	black	17,24,106H	hydr.	6	18
CTH-115	09814	2	250 300 350 400 450 500	250 300-3/0 250-1/0 300-2 250-4 250-6	yellow	–,936, 115H	15 Ton Tool	6	27
CTH-116	09815	2	350 400 450 500	350-4/0 400-2/0 450-1 500-2	white	19,27,125H	15 Ton Tool	3	34
CTH-117	09816	2	750-500 750	4/0-6 750-4/0	–	19,27,125H	15 Ton Tool	3	37

### SILICON BRONZE INSULATION PIERCING VISE GRIP CONNECTORS TIN PLATED FOR MESSENGER CABLE



This clamp is specifically designed for use on self-supporting rural, figure 8 or IM type telephone cable when connecting the messenger to the ground wire. As the clamp is tightened, its insulation piercing teeth puncture the insulation of the messenger, eliminating the need for wire stripping and forms a positive ground connection. The bolt is made of stainless steel.

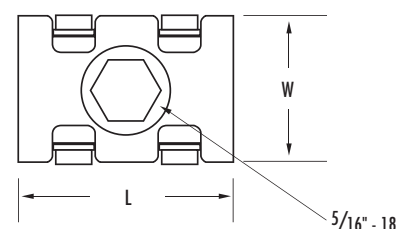


CAT. NO.	UPC CODE	CONDUCTOR RANGE		APPROX. DIMENSIONS						BOLT SIZE
		MESSENGER CABLE DIA.	TAP	A		B		C		
				IN	MM	IN	MM	IN	MM	
IPVG-412	02744	.146-.312 (3.7-7.9mm2)	8 str - 4 str .146-.232 (3.7-5.9mm2)	1- 5/8	41.3	1- 1/4	31.8	1	25.4	5/16 -18, 1/2 hex
IPVG-496	02745	.146-.312 (3.7-7.9mm2)	8 str - 4 str .146-.232 (3.7-5.9mm2)	1- 5/8	41.3	1- 1/4	31.8	1	25.4	5/16 -24, 9/16 hex

### COPPER JUMPER CLAMPS



Jumper clamp cast from high copper content alloy. CUS/UL 467 for grounding and bonding.



CAT. NO.	UPC CODE	FINISH OF GROOVES	BOLT	CONDUCTOR RANGE	WIRE DIA. (IN)	APPROXIMATE DIMENSIONS			
						L		W	
						IN	MM	IN	MM
JC-1*	02485	1 groove, tin plated	steel	6 sol-1/0 str	.162/.373	1 - 1/8	29	1 - 5/16	33
JC-1-SB	02486	1 groove, bronze	silicon bronze	6 sol, 1/4, 5/16 guy	.162/.312	1 - 1/8	29	1 - 5/16	33
JC-2*	02487	tin plated	steel	6 sol-1/0 str	.162/.373	1 - 1/8	29	1 - 5/16	33
JC-2-SB	02488	tin plated	silicon bronze	6 sol, 1/4, 5/16 guy	.162/.312	1 - 1/8	29	1 - 5/16	33
JC-3*	02489	bronze	steel	6 sol-1/0 str	.162/.373	1 - 1/8	29	1 - 5/16	33
JC-3-SB	02490	bronze	silicon bronze	6 sol, 1/4, 5/16 guy	.162/.312	1 - 1/8	29	1 - 5/16	33

\*not UL Listed

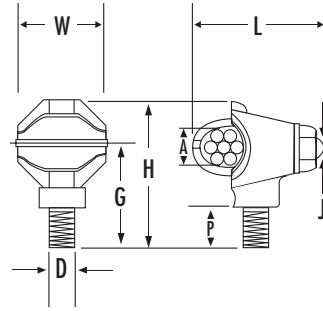
# Grounding

## TRANSFORMER GROUND CLAMPS

### TRANSFORMER GROUND CLAMPS - EYE BOLT STYLE



Transformer ground clamp bodies are cast from high conductivity, high strength copper alloy with cast high strength bronze eyebolts. Stainless steel nuts and lockwashers are standard on all clamps. For silicon bronze hardware, suffix catalog number with "-SB". The HTGE provides a hex or square shoulder for wrench tightening. The flat surface also acts as a seal to the tank. The TGE may be tightened by using a wrench on the body.

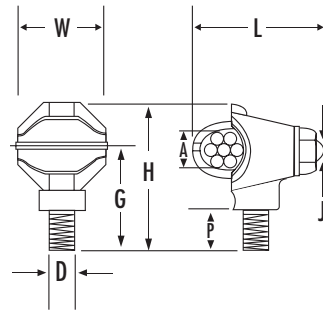


CAT. NO.	UPC CODE	COPPER CONDUCTOR RANGE (A)	FINISH	WIRE DIA. IN	STUD SIZE (D)	APPROX DIMENSIONS											
						G		H		J (EYEBOLT)	L		P		W		
						IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
TGE-1	02491	10 sol - 1 str	plain	.102/.332	1/2 - 13	13/16	21	1 - 1/4	32	3/8 - 16	1 - 1/2	38	7/16	11	7/8	22	
TGE-2/0	02492	8 sol - 2/0 str	plain	.128/.419	1/2 - 13	1	25	1 - 7/16	37	3/8 - 16	1 - 31/32	50	7/16	11	7/8	22	
TGE-250	02493	6 sol - 250MCM	plain	.162/.575	1/2 - 13	1 - 11/16	43	1 - 15/16	49	1/2 - 13	2 - 9/16	65	5/16	8	1 - 1/4	32	
TGE-1TN	02494	10 sol - 1 str	tin plated	.102/.332	1/2 - 13	13/16	21	1 - 1/4	32	3/8 - 16	1 - 1/2	38	7/16	11	7/8	22	
TGE-2/0TN	02495	8 sol - 2/0 str	tin plated	.128/.419	1/2 - 13	1	25	1 - 7/16	37	3/8 - 16	1 - 31/32	50	7/16	11	7/8	22	
TGE-250TN	02496	6 sol - 250MCM	tin plated	.162/.575	1/2 - 13	1 - 11/16	43	1 - 15/16	49	1/2 - 13	2 - 9/16	65	5/16	8	1 - 1/4	32	

### TWO-WAY BASKETS

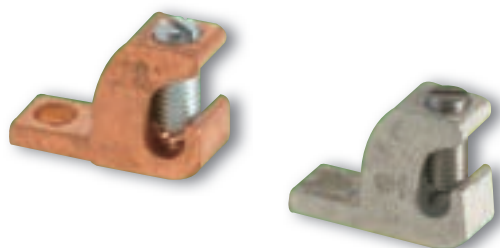


Transformer ground clamp bodies are cast from high conductivity, high strength copper alloy with cast high strength bronze eyebolts. Stainless steel nuts and lockwashers are standard on all clamps. For silicon bronze hardware, suffix catalog number with "-SB". The HTGE provides a hex or square shoulder for wrench tightening. The flat surface also acts as a seal to the tank. The TGE may be tightened by using a wrench on the body.



CAT. NO.	UPC CODE	COPPER CONDUCTOR RANGE (A)	FINISH	WIRE DIA. IN	STUD SIZE (D)	APPROX DIMENSIONS											
						G		H		J (EYEBOLT)	L		P		W		
						IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
HTGE-1	02497	10 sol - 1 str	plain	.102/.332	1/2 - 13	1 - 3/16	30	1 - 3/4	44	3/8 - 16	1 - 31/32	50	7/16	11	1 - 1/8	28	
HTGE-2/0	02498	8 sol - 2/0 str	plain	.128/.419	1/2 - 13	1 - 5/16	33	1 - 15/16	49	3/8 - 16	2	51	7/16	11	1 - 1/4	32	
HTGE-250	02499	6 sol - 250MCM	plain	.162/.575	1/2 - 13	1 - 3/16	30	2 - 1/8	54	1/2 - 13	2 - 5/8	67	15/32	12	1 - 7/8	48	
HTGE-1TN	02500	10 sol - 1 str	tin plated	.102/.332	1/2 - 13	1 - 3/16	30	1 - 3/4	44	3/8 - 16	1 - 31/32	50	7/16	11	1 - 1/8	28	
HTGE-2/0TN	02501	8 sol - 2/0 str	tin plated	.128/.419	1/2 - 13	1 - 5/16	33	1 - 15/16	49	3/8 - 16	2	51	7/16	11	1 - 1/4	32	
HTGE-250TN	02502	6 sol - 250MCM	tin plated	.162/.575	1/2 - 13	1 - 3/16	30	2 - 1/8	54	1/2 - 13	2 - 5/8	67	15/32	12	1 - 7/8	48	

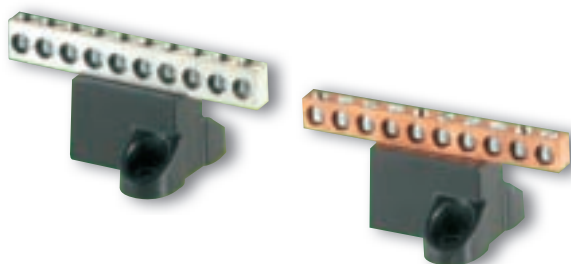
### COPPER LAY-IN CONNECTORS



Lay-in lugs are used for grounding or in continuous loop bonding and are available in several variations, depending on the application. GLC-4 has a copper body with a steel screw and is used for general grounding applications with copper wire. GLC-4 DB and GLC-4 DBP have copper bodies with stainless steel screws and are UL Listed for direct burial in earth or concrete with copper wire.

CAT. NO.	UPC CODE	MATERIAL	WIRE RANGE	USE	LENGTH	HEIGHT	WIDTH	MTG. HOLE	CTN. QTY.
GLC-4	00530	copper with steel screws	4 - 14 AWG	general use for CU wire only	0.968	0.687	0.375	0.218	100
GLC-4 DB	00531	copper with stainless steel screws	4 - 14 AWG	direct burial for CU wire only	0.968	0.687	0.375	0.218	100
GLC-4 DBP	00532	tin-plated copper with stainless steel screws	4 - 14 AWG	direct burial for CU wire only	0.968	0.687	0.375	0.218	100

### ISOLATED GROUND BARS



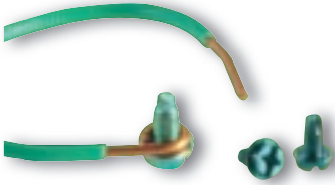
Made from either high-strength aluminum alloy 6061-T6 or high-conductivity copper as indicated below. The base is made from high-strength glass-filled polyester. Aluminum connectors are dual-rated for use with aluminum or copper cables.

CAT. NO.	UPC CODE	MATERIAL	WIRE RANGE	NO. OF CIRCUITS	LENGTH	HEIGHT	WIDTH	CTN. QTY.	SHPG. WT. LBS./100
GBA2-7	01070	aluminum	AL/CU 2 - 14	7	2.88	2.31	1.88	3	1.0
GBC2-7	01071	copper	CU 2 - 14	7	2.88	2.31	1.75	3	1.3
GBA2-10	01072	aluminum	AL/CU 2 - 14	10	4.07	2.31	1.88	3	1.1
GBC2-10	01073	copper	CU 2 - 14	10	4.07	2.31	1.75	3	1.4
GBA2-14	01074	aluminum	AL/CU 2 - 14	14	5.56	2.31	1.88	2	1.0
GBC2-14	01075	copper	CU 2 - 14	14	5.56	2.31	1.75	2	1.3
GBA2-20	01076	aluminum	AL/CU 2 - 14	20	8.04	2.31	1.88	2	1.1
GBC2-20	01077	copper	CU 2 - 14	20	8.04	2.31	1.75	2	1.4
GBA20-7	01078	aluminum	AL/CU 2/0 - 14	7	4.61	2.31	2.13	3	1.2
GBA20-10	01080	aluminum	AL/CU 2/0 - 14	10	6.41	2.31	2.13	3	1.3
GBA20-14	01082	aluminum	CL/CU 2/0 - 14	14	8.81	2.31	2.13	2	1.4

# Grounding

SOLID OR STRANDED WIRE GROUNDING PIGTAILS & GREEN GROUNDING CLIPS

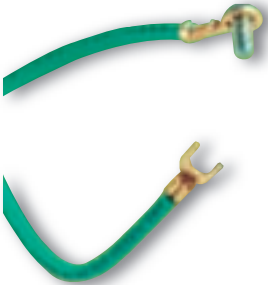
## SOLID WIRE GROUNDING PIGTAILS AND SCREWS



Pigtails are insulated conductors supplied with an attached ground screw on one end and the insulation stripped back one inch on the other end. Meets requirements of NEC. A great labor saver.

CATALOG NO.	UPC CODE	DESCRIPTION	SHPG. WT. LBS./100	STANDARD PACKAGE
PG 14 H	11100	6.5 inch 14 AWG solid with hex screw - green	3	50
PG 14 H-D	78993	6.5 inch 14 AWG solid with hex screw - green	2	5
PG 12 H	11101	6.5 inch 12 AWG solid with hex screw - green	3	50
PG 12 H-D	78992	6.5 inch 12 AWG solid with hex screw - green	2	5
PG 14 C	11108	6.5 inch 14 AWG solid with combo screw - green	2	50
PG 12 C	11109	6.5 inch 12 AWG solid with combo screw - green	3	50
PG 12 C-8	14328	8 inch 12 AWG solid with combo screw - green	3	50
PG 12 CB	11121	6.5 inch 12 AWG solid with combo screw - black	3	50
PG 12 CW	11122	6.5 inch 12 AWG solid with combo screw - white	3	50
GSH	11106	hex head green grounding screw	1	100
GSC	11107	combo slotted hex screw	1	100

## STRANDED WIRE GROUNDING PIGTAILS COMPLETE WITH RING AND SPADE TERMINAL



Green insulated conductors supplied with a spade terminal on one end and a ring terminal with a captive green-dyed screw on the other end. 65 strand #12 awg and 41 strand #14 awg for maximum flexibility. Available with round, hex head or combo screw.

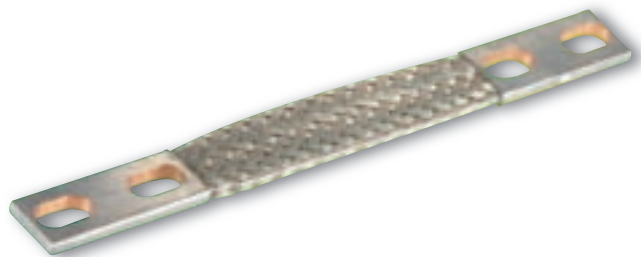
CATALOG NO.	UPC CODE	DESCRIPTION	SHPG. WT. LBS./100	STANDARD PACKAGE
PG 12 SR	11103	8 inch 12 AWG (65W) stranded with round screw	4	50
PG 14 SC	11110	8 inch 14 AWG (41W) stranded with combo slotted screw	3	50
PG 12 SC	11111	8 inch 12 AWG (65W) stranded with combo slotted screw	4	50
PG 12 SH	11113	8 inch 12 AWG (65W) stranded with hex screw	4	50

## GREEN GROUNDING CLIPS

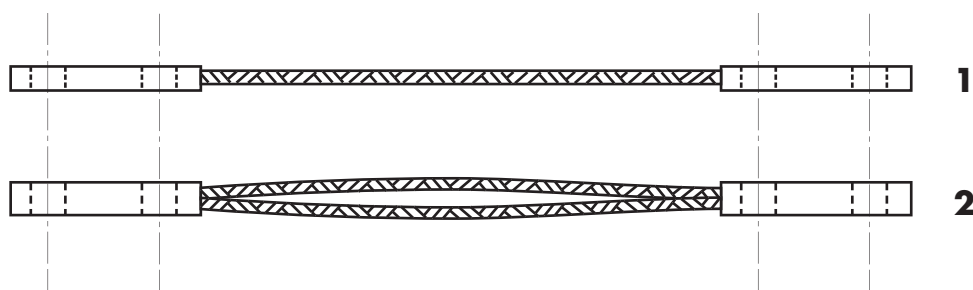


CAT. NO.	UPC CODE	DESCRIPTION	SHPG.WT. LBS./100	PACKAGING	
				CARTON	CASE
GGC-1000	11125	green grounding clips	3	100	1200

### FLEXIBLE BRAID JUMPER STRAPS



“FS” flexible braid jumper straps are recommended to compensate for motion due to expansion, contraction, vibration and operational movement of current carrying members. Manufactured from flat, extra-flexible tinned braid, they are available in a wide variety of sizes and amperages. The ferrules are made from pure electrolytic copper and are tin-plated. Standard mounting holes are 9/16” NEMA spaded holes. Other sizes and styles are available. We can also provide the flexible strap, without the end ferrules, on a price per inch basis. Please contact NSi for price and availability information.



CAT NO.	UPC CODE	FIG.	LENGTH	AMPERE RATING		APPROX. CIRCULAR MILS	T	W (2 HOLE PAD ONLY)	CARTON QTY.	SHPG.WT. LBS./100
				INDOORS	OUTDOORS					
FS1-19-8N	03350	1	12	190	225	77,000	1/4	11/16	1	64
FS1-19-8N-18	03375	1	18	190	225	77,000	1/4	11/16	1	92
FS1-19-8N-24	03376	1	24	190	225	77,000	1/4	11/16	1	120
FS1-33-8N	03351	1	12	330	400	154,500	1/4	1 1/2	1	72
FS1-33-8N-18	03380	1	18	330	400	154,500	1/4	1 1/2	1	103
FS1-33-8N-24	03381	1	24	330	400	154,000	1/4	1 1/2	1	134
FS1-36-8N	03352	1	12	360	430	231,500	1/4	13/16	1	81
FS2-60-8N	03356	2	12	600	720	463,000	7/16	13/16	1	179

### FLEXIBLE GROUND STRAP



Woven of high conductivity, annealed, tinned copper wire, this braided ground strap provides maximum flexibility and ease of handling when installing ground or shield continuity. This braid is used for shield and lead-sheath grounding and is easily soldered to lead, copper and tinned metals. It is also used for continuing the fault-carrying capacity of the cable shield as a jumper braid.

CAT NO.	UPC CODE	WIDTH	LENGTH	EQUIVALENT AWG SIZE	CARTON QTY.
SA 382B	01130	3/8	25 ft.	9 AWG	1
SA 382C	01131	3/8	100 ft.	9 AWG	1
SA 582B	01132	1/2	25 ft.	6 AWG	1
SA 582C	01133	1/2	100 ft.	6 AWG	1



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**FD-78**  
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Floor Display



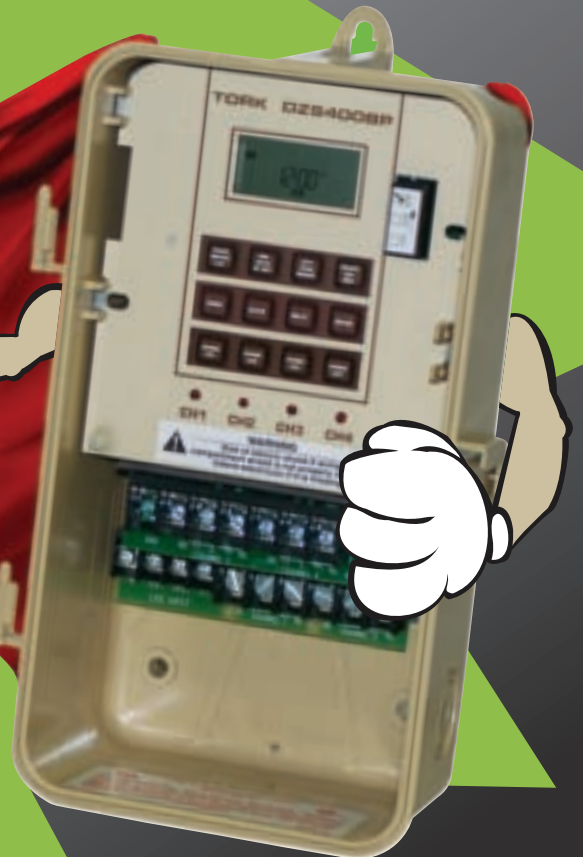
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# ALPHANUMERIC INDEX

## CONNECTORS

1012-2042	76
2/OTP-2-600TP	14
2-SR-750-SR	14
250L2-3-1000L2/L4	12
2SR-750-SR	14
300T-2-800T-4	13
350T-6-600L8	18
350LL2-8-1000LL12	19
4-14-2C-14	74
4-250L4-4-1000L4	13
6T-2-1000T	12
6TC-4/OTC	23
ACRS	41
ACRSL	42
AL	28-29
AL (Conn. Bloks)	65-67
AM	65-67
ANSS	42
APS	61
AS	65-67
ASC	30
BESN	26
BS400T, T2	15
BTP	15
C	35, 53
CAL	35
CB	75
CDP	59
CN	75
CSP	59
CT	58
CTH	58
D, DE	23
DR, DRD, DRE, DRF, DRJ, DRT	71-72
EC	24
FQC	68
FS	24
FTBFP	73

GC	16
GL	49-51, 54-56
GLA	15
GP	16
HLC	27
IPCS	64
ISE	36
ITB	73
J	68
L	44-45, 47-48, 54-55, 57
LK	78
N	60-61
NMS, NMT	77
PAA	22
PAE	22
PT	31
PTO	32
PTS	32
PTSL	59
S	24
S300	15
SA	45
SC	52, 55
SFAM	40
SFAS	40
SFTZ	20
SL	46
SOTZ	20
SPM	62
STL	17
TB	70
TBS	68, 69
TC	63
TCP	63
TCSL	17
TL	25
TS	21
TSS, TST	69
UTT	43
VG	27
W	26

# ALPHANUMERIC INDEX

WR .....	33-34
CONNECTORS APPENDICES	
APPENDIX A .....	81
APPENDIX B .....	82

## POLARIS

IPL .....	93, 94
IPLD .....	95, 96
IPLDH .....	97
IPLDS .....	96
IPLG .....	92
IPLM .....	98
IPLMD .....	99, 100
IPLW .....	89
ISPB .....	90
ISPC .....	90
ISR .....	88
ISW .....	89
IT .....	88
ITG .....	92
ITOG .....	92
ITW .....	89
PL .....	101, 102
PLH .....	97
SITG .....	92
POLARIS APPENDICES	
APPENDIX A .....	104

## SPLICING

ESGHS .....	107
ESGS .....	108
ESGTS .....	108
ESSLK .....	114
ESUF .....	110
GSS .....	114
HMSS .....	118
HSB .....	117

HSC .....	117
HWHS .....	111
ROS .....	110
ROSS .....	113
RSK .....	112
SKAB, SKCB, SKDB .....	109
SKSS .....	112
SKUF .....	109
TWHS .....	115-116
WAGS .....	107
WAHS .....	109

## EASY-TWIST™

C .....	125
ET-CP .....	121
PIWC .....	127
SB .....	125
TOP .....	128
WC .....	121
WC-HB1, HB3 .....	125
WWC .....	122
WWC-GR .....	124
WWC-N1, -N2 .....	124

## MINI TERMS

250-3 .....	142
ATC .....	137
B .....	133, 136, 141
C .....	138
CTK .....	145
DFR .....	138
DMT .....	142
F .....	139
FCT .....	142
FR .....	144
H .....	138
HSF .....	138

# ALPHANUMERIC INDEX

HTB	144
HTF	143
HTM	143
HTP	143
HTR	144
HTS, HTSF	143, 144
IF	135
IFS	136
IM	135
M	133, 135, 139, 144
MB	144
MMF	142
MTK	145
NSi 33-#	145
P	133, 137
PF, PFS	136, 139
PM	136, 139
PT	137
PTC	138
R	132, 134, 140
S	131, 134, 141
SB	137
SF	136, 142

## SWITCHES

75(000)	152
76(000)	152
77(000)	151
78(000)	153, 154
79(000)	151, 154
8(000)	154

## DATA COMMUNICATION

BWP	159
CS	158
DMWP	159
FC	158

FCF	158, 160
FCFT	160
MEC	160
MOB	160
MSWP	159
MWP	159
OMJ	159
SMWJ	160
TEC	160
TLJB	160
WMDS	159
WPMJ	159

## WIRE MANAGEMENT

418-40250	169
418ID-818H-ID	173
418HS-1450HS	174
418-SB-14120SB	176
418X-14500X	169-170
530-1-1150-20	171
530MH-141200MH	172
550-WPM	173
640-PM, 640-WPM	173
750P-14120P	173
850-R-10500-R	173
ACC	179
ACL	197
ADH	165
ADJCC	178
BLV	196
BT	193
CATV-1	178
CBL	196
CBSP	196
CRP	192
CSS	192
CTP	172
DCT	183
DRP	192



# ALPHANUMERIC INDEX

FSM	204
FSMW	207
FSP	207
FSPP	206
FSPS	206
FSS	208
APPENDICES:	
APPENDIX A	209
APPENDIX B	210
UL SYSTEMS:	
AD/PHV 180-01	218
C-AJ-1509	211
C-AJ-1510	211
C-AJ-1511	212
C-AJ-4073	215
C-AJ-4074	216
C-AJ-8147	217
F-C-1128	214
F-C-2297	215
F-C-3084	216
W-L-1348	214
W-L-1349	212
W-L-1350	213
W-L-1351	213

CB	234
CBH	234
CCM	231
CCR	231
CCT	232
CD	229
CST	232
D-500, D-1000	228
DBL	230
DS	236
FTNM	233
FTS	233
FTSS	233
FTTIP	233
HEX	236
M-250, M-500	230
NH1, NH2	232
NSi-12	229
OD	230
OJB	230
OX	236
P-750	228
RDC 1/0	230
TES	235
U-BG	230
WSC-1	232

## HARDWARE

FW	223
HB	223
HN	223
SLW	223
SS	224
SSBW	224
SSHN	224
SSFW	224
SSSLW	224

## TOOLS

BY	230
----	-----

## GROUNDING

CT	249
CTH	248, 249
EG	244
EGB	243
FS	254
G	240-245
G-(1)-S	240
G-(1)-S-DB, -DBR	241
G-(1)-S-BS	242
G-14 SR	253
G-140DB	241

G-20, G-20DB ..... 242  
G-3-BS..... 242  
G-66 ..... 242  
GBA ..... 252  
GCA ..... 240  
GGC..... 253  
GH ..... 245  
GHM ..... 245  
GLC ..... 241, 252  
GP ..... 246  
GRC ..... 246  
GSC, GSH ..... 253  
GZ ..... 244  
GZB ..... 244  
HTGE ..... 251  
IPVG ..... 250  
JC ..... 250  
PG ..... 253  
SA ..... 254  
T ..... 249  
TGE ..... 251  
UC ..... 247, 248





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