

ALTOS® Gel-Free, All-Dielectric Cables

12-288 Fibers

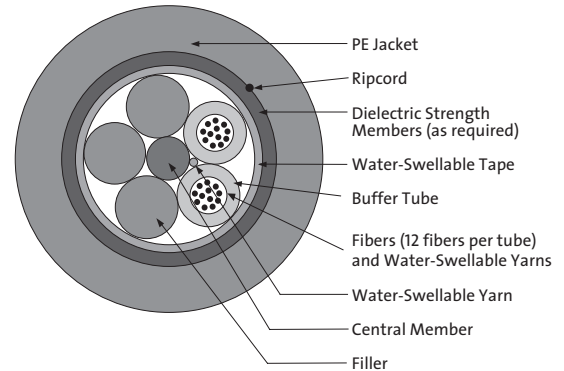
An Evolant® Solutions Product

Description

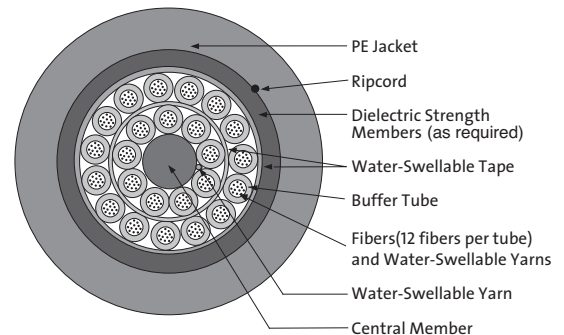
ALTOS® All-Dielectric Gel-Free Cables are lightweight cables designed for duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

Features / Benefits

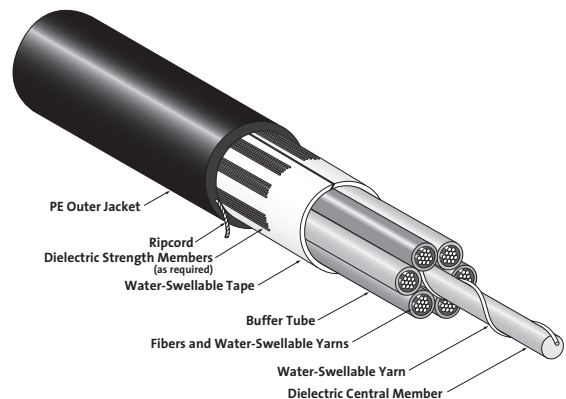
- Gel-free design is fully waterblocked using craft-friendly water-swappable yarns and tapes, making cable access simple and requiring no clean up
- Flexible, craft-friendly buffer tubes are easy to route in closures
- Standard buffer tube size reduces the number of access tools required by craft personnel
- S-Z stranded, loose tube design isolates fibers from installation and environmental rigors and facilitates midspan access
- Dielectric strength members have no preferential bend and require no bonding or grounding
- Medium-density PE jacket is rugged, durable and easy to strip
- Meets industry standards and specifications including ICEA-640 and Telcordia GR-20
- RDUP (formerly RUS) listed, 7 CFR 1755.900



ALTOS Gel-Free, All-Dielectric Cable, 24-Fiber | Drawing ZA-2747



ALTOS Gel-Free, All-Dielectric Cable, 288-Fiber | Drawing ZA-2749



ALTOS All-Dielectric Cable | Drawing ZA-2750



ALTOS® Gel-Free, All-Dielectric Cables

12-288 Fibers

An Evolant® Solutions Product

Specifications

Maximum Tensile Loads	Short-Term: 2700 N (600 lbf) Long-Term: 890 N (200 lbf)
Storage Temperature	-40° to +70°C (-40° to +158°F)
Installation Temperature	-30° to +70°C (-22° to +158°F)
Operating Temperature	-40° to +70°C (-40° to +158°F)

Fiber Count	Maximum Fibers per Tube	Number of Tube Positions	Number of Active Tubes	Central Member	Nominal Weight kg/km (lb/1000 ft)	Nominal Outer Diameter mm (in) ¹	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
12-60	12	5	3-5	Dielectric	78 (52)	11.3 (0.44)	17.0 (6.7)	11.3 (4.4)
72	12	6	6	Dielectric	91 (61)	12.0 (0.47)	18.0 (7.1)	12.0 (4.7)
84-96	12	8	7-8	Dielectric	120 (80)	13.9 (0.55)	20.9 (8.2)	13.9 (5.5)
108-120	12	10	9-10	Dielectric	157 (105)	15.9 (0.63)	23.9 (9.4)	15.9 (6.3)
132-192	12	16	11-16	Dielectric	159 (107)	17.4 (0.69)	26.1 (10.3)	17.4 (6.9)
204-216	12	18	17-18	Dielectric	178 (119)	18.2 (0.72)	27.3 (10.7)	18.2 (7.2)
228-240	12	20	19-20	Dielectric	197 (132)	19.1 (0.75)	28.7 (11.3)	19.1 (7.5)
252-288	12	24	21-24	Dielectric	246 (165)	21.3 (0.84)	32.0 (12.6)	21.3 (8.4)

ALTOS® Gel-Free, All-Dielectric Cables

12-288 Fibers

An Evolant® Solutions Product

Transmission Performance Table

Fiber Code	K	C	E	E
Performance Option Code	30	31	01	00
Fiber Type	62.5/125 μm (850/1300 nm)	50/125 μm (850/1300 nm)	Single-mode (1310/1383/1550 nm)	Single-mode (1310/1383/1550 nm)
Maximum Attenuation (dB/km)	3.5/1.0	3.5/1.5	0.4/0.4/0.3	0.35/0.35/0.25
Minimum LED Bandwidth (MHz•km)	200/500	500/500	- / - / -	- / - / -
Minimum Effective Modal Bandwidth (MHz•km)	220/ -*	510/ -*	- / - / -	- / - / -
Serial Gigabit Ethernet Distance (m)	300/550	600/600	5000/ - / -	5000/ - / -
Serial 10 Gigabit Ethernet Distance (m)	33/ -	82/ -	10000/ - /40000	10000/ - /40000

* EMB when deployed with 850 nm, 1 Gb/s VCSELs as predicted by RML Bandwidth using FOTP-204.

Ordering Information

Contact Customer Service for other options.

□ □ □ □ W 4 - T □ 1 □ □ D 2 0
 1 2 3 4 5 6 7 8 9 10 11 12 13 14

024EW4-T101D20
 048EW4-T101D20

1 - 3 Select fiber count (012 to 288, increments of 12).

4 Select fiber code (see Transmission Performance Table).

5 / 12 Defines cable type.

W/D = ALTOS® Gel-Free Cable

6 Defines jacket.

4 = Dielectric

7 Defines fiber placement.

T = 12 fiber/buffer tube (standard)

8 Select length markings.

4 = Markings in feet (standard)

3 = Markings in meters

9 Defines tensile strength.

1 = 2700 N/600 lb (standard)

10 - 11 Select performance option code.

(see Transmission Performance Table).

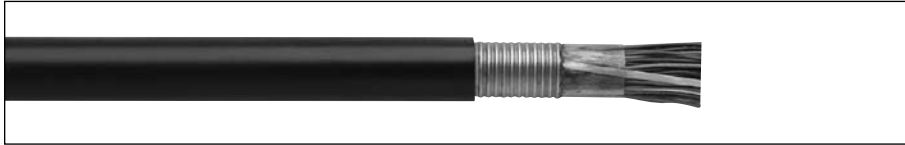
13 - 14 Defines special requirements.

20 = No special requirements

Filled Foam Skin Cable

RDUP (RUS) PE-89 AL

Spec. 2007



Nominal Cable Data

CATALOG NUMBER	PAIRS AWG	O.D. (INCHES)	WEIGHT (LBS/MFT)	STANDARD LENGTH (FT)
7525504	6/19	0.57	155	5000
7525512	12/19	0.66	230	5000
7525538	25/19	0.87	415	5000
7525595	6/22	0.47	100	5000
7525603	12/22	0.54	140	5000
7525629	25/22	0.65	230	5000
7525637	50/22	0.83	400	5000
7525652	100/22	1.10	725	2500
7525678	200/22	1.40	1330	2500
7525686	300/22	1.70	1950	1250
7525694	400/22	2.00	2570	1250
7525702	600/22	2.40	3900	1250
7525751	6/24	0.40	70	5000
7525769	12/24	0.46	100	5000
7525785	25/24	0.59	175	5000
7525793	50/24	0.72	290	5000
7525819	100/24	0.90	490	5000
7525827	150/24	1.10	690	5000
7525835	200/24	1.20	900	2500
7525843	300/24	1.40	1290	2500
7525850	400/24	1.60	1700	2500
7525868	600/24	1.90	2440	1250
7525876	900/24	2.30	3620	1250
7526973	1200/24	2.60	4720	1000
7526981	1500/24	2.90	5850	1000
7526999	1800/24	3.20	7040	1000

Data subject to change without notice. Contact your Customer Service Representative for latest information.

Core Construction:

Conductors:

- Solid, annealed copper; sizes 19, 22 and 24 AWG

Insulation:

- Dual insulation consisting of an inner layer of foamed polyolefin surrounded by a solid polyolefin skin, color-coded in accordance with telephone industry standards

Twisted Pairs:

- Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk

Core Assembly:

- 25 pairs and less: pairs are assembled together in a single group
- More than 25 pairs: pairs are arranged in groups, each group having a color-coded unit binder

Filling Compound:

- The entire core assembly is completely filled with ETPR compound, filling the interstices between the pairs and under the core tape

Core Wrap:

- Non-hygroscopic dielectric tape applied longitudinally with an overlap

Sheath:

Aluminum Shield:

- Corrugated, copolymer-coated, 0.008" aluminum tape applied longitudinally with an overlap
- The sheath interfaces are flooded with an adhesive water-blocking compound

Jacket:

- Black, linear low density polyethylene

Application(s):

- Intended for duct and direct buried installations where protection against water and moisture entry is required and may also be installed aerially

Compliance:

- Rural Development Utility Program (RDUP) 7 CFR 1755.890 (RUS PE-89)

Packaging:

- Standard lengths are shipped on non-returnable wood reels
- Non-standard packaging is available upon request

5-Pin Building Entrance Protectors (cont'd)

Model 525 & 1525 - 25 Pair Building Entrance Protector

ORDERING INFORMATION:

PAIRS	TERM.	BLOCK ONLY	230V GAS TUBE PROTECTORS	240V SOLID STATE PROTECTORS	230V DELTA PROTECTORS	75V DELTA PROTECTORS
25	66	525	525GT	525SS	525D	525D75
25	110	1525	1525GT	1525SS	1525D	1525D75

DIMENSIONS:

Model #	Dimensions (height x width x depth)
525 & 1525	10" x 3.4" x 3.5" (25.4 cm x 11.7 cm x 8.2 cm)



525

1525

Closet Connector Housings (CCH-04U & CCH-03U)

A LANscape® Solutions Product

Corning
Cable Systems

Applications

Corning Cable Systems Closet Connector Housings (CCHs) provide interconnect or cross-connect capabilities between the outside plant, riser, or distribution cables, and the optoelectronics.

Description

The units can be rack-mounted in 19-in (48 cm) racks or an optional 23-in (58 cm) equipment rack (1.75-in EIA hole spacing) and are available in three-rack-space (6 panels) or four-rack-space (12 panels) versions. For installations requiring 144 fibers, the capacity can be achieved using SC simplex, SC duplex, LC and MT-RJ connectors for 12 fibers per panel in conjunction with the 4-rack-space housing. For installations requiring up to 288 fibers, the capacity can be achieved using LC and MT-RJ connectors for 24 fibers per panel in conjunction with the 4-rack-space housing.

Closet connector housings can be ordered with connector panels for multimode and single-mode applications. Connector panels are offered in 6-, 8-, 12-, 16- and 24-fiber configurations. Documentation labels are provided and units or components can be added as needed to construct a fiber distribution frame for any application.

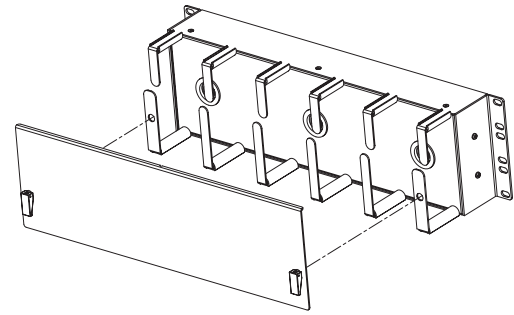
The 3- and 4-rack-space versions of the CCH have been designed with an open top, located in the front of the housing. The opening, when used in conjunction with the closet jumper management panel (CJP), facilitates jumper routing.

Features / Benefits

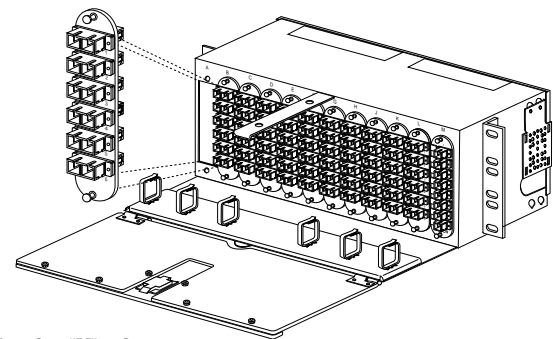
- Ideal for field connectorization
- Includes mounting provisions for buffer tube fan-out kits
- Suitable for loose tube, tight-buffered and optical fiber ribbon cables
- Mounting configurations include standard 4.5-in (11.4 cm) frontal projection, partially flush and fully flush (with optional kit)
- Multiple locations for jumper egress



CCH-04U (open) | Photo LAN209

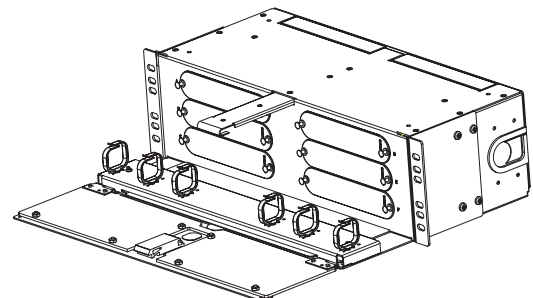


CJP-02U | Drawing ZA-2812



Note: One "U" = One industry-standard rack space of 1.75 inches.

CCH-04U (up to 288 fibers) | Drawing CPC-220/5/1



CCH-03U (up to 144 fibers) | Drawing ZA-2799

Closet Connector Housings (CCH-04U & CCH-03U)

A LANscape® Solutions Product

Corning
Cable Systems

Features / Benefits (continued)

- Removable, durable, clear polycarbonate-tinted front door
- Lock can be field-installed
- Accepts CCH connector panels and modules
- Open top of housing for vertical pigtail or jumper exiting
- Optional top and side covers available
- Meets requirements of ANSI/TIA/EIA-568A and 606
- Brackets included for rack mounting in 19-in equipment racks; 23-in rack-mount brackets sold separately

Specifications

Part Number	Dimensions (H x W x D) cm (in)	Shipping Weight kg (lb)
CCH-03U	13.3 x 43.2 x 30.5 (5.25 x 17 x 12)	2.7 (6)
CCH-04U	17.8 x 43.2 x 30.5 (7 x 17 x 12)	3.6 (8)

Ordering Information

Part Number	Description
CCH-03U	Closet Connector Housing that will accept up to six CCH panels or modules; comes with blank panels and hardware to strain-relieve one cable with the Universal Cable Clamp (UCC) or up to five 0.4-in or smaller cables with the UCC insert; six 6-fiber panels = 36 fiber total capacity; six 8-fiber panels = 48 fiber total capacity; six 12-fiber panels = 72 fiber total capacity; six 16-fiber panels = 96 fiber total capacity; six 24-fiber panels = 144 fiber total capacity (MT-RJ and LC)
CCH-04U	Closet Connector Housing that will accept up to 12 CCH panels or modules; comes with blank panels and hardware to strain-relieve one cable with the Universal Cable Clamp (UCC) or up to five 0.4-in or smaller cables with the UCC insert; twelve 6-fiber panels = 72 fiber total capacity; twelve 8-fiber panels = 96 fiber total capacity; twelve 12-fiber panels = 144 fiber total capacity; twelve 16-fiber panels = 192 fiber total capacity; twelve 24-fiber panels = 288 fiber total capacity (MT-RJ and LC)

Pre-Loaded Housings

CCH-04U-E491	CCH-04U preloaded with 72 568SC (SC duplex) adapters (12 CCH panels), 62.5 µm MM, composite insert, composite housing
CCH-04U-7291	CCH-04U preloaded with 36 568SC (SC duplex) adapters (six CCH panels), 62.5 µm MM, composite insert, composite housing
CCH-04U-E497	CCH-04U preloaded with 72 MT-RJ adapters (12 CCH panels), 62.5 µm MM, composite housing
CCH-04U-7297	CCH-04U preloaded with 36 MT-RJ adapters (six CCH panels), 62.5 µm MM, composite housing
CCH-04U-7215T	CCH-04U preloaded with 72 ST® compatible connector adapters (12 CCH panels), 62.5 µm MM, ceramic insert, composite housing

Buffer Tube Fan-Out Kits

A LANscape® Solutions Product

Corning
Cable Systems

Applications

- Field termination of loose tube cables at indoor or outdoor cross-connects

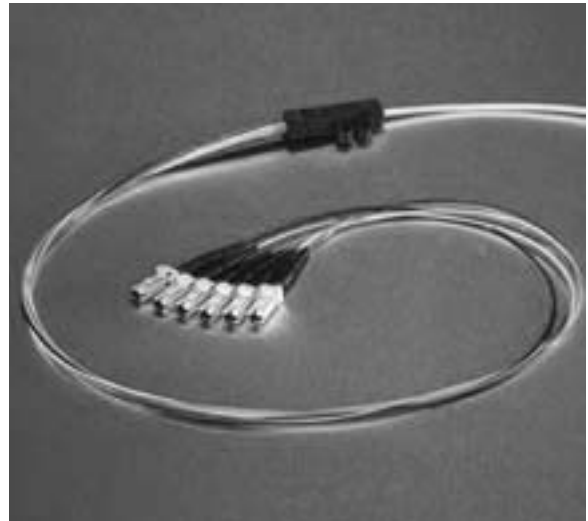
Description

Corning Cable Systems Indoor and Outdoor Buffer Tube Fan-Out Kits are specifically designed for the termination of 6- and 12-fiber buffer tubes. These buffer tube fan-out kits provide the ultimate solution for those users who want to field-install connectors. The kits provide the most compact, easy-to-install fan-out solution requiring no additional hardware or space than that required for terminating tight-buffered cables.

Indoor and outdoor kits feature a 900 µm fan-out assembly that is color-coded to match the fiber color scheme. The fan-out assembly is available with 6- or 12-fiber units in lengths of 25 or 47 inches. These different lengths provide the installer the flexibility needed for a variety of hardware options.

Features / Benefits

- Eliminates strain on fibers by isolating them from tensile forces
- Colored fan-out tubing
- Snap-together furcation unit eliminates epoxy for indoor kits
- Compact design
- Quick and easy to install
- Optimized for field termination of cables
- Excellent fiber routing capabilities
- Bend radius protection designed into each unit
- Outdoor kits include additional elements that compensate for wider temperature fluctuations common in outdoor environments



Buffer Tube Fan-Out Kit | Photo LAN365



Buffer Tube Fan-Out Kit | Photo LAN49

- Indoor temperature range 0° to +70°C
Outdoor temperature range -40° to +70°C

Buffer Tube Fan-Out Kits

A LANscape® Solutions Product

Corning
Cable Systems

Ordering Information

To order a buffer tube fan-out kit, first determine the length of tubing required for connector termination, either 25 or 47 inches. Next, determine the number of fibers to furcate.

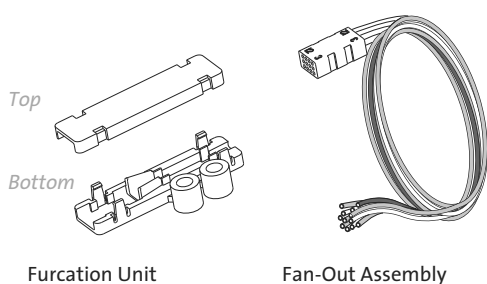
Part Number	Length of Tubing	Number of Fibers per Buffer Tube'
Indoor Buffer Tube Fan-Out Kits		
FAN-BT25-06	25 inches	6
FAN-BT47-06	47 inches	6
FAN-BT25-12	25 inches	12
FAN-BT47-12	47 inches	12
Outdoor Buffer Tube Fan-Out Kits		
FAN-OD25-06	25 inches	6
FAN-OD47-06	47 inches	6
FAN-OD25-12	25 inches	12
FAN-OD47-12	47 inches	12

Notes

'Refer to cable specifications.

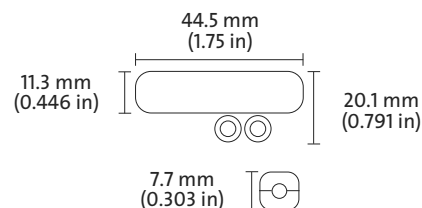
Tool Kit and Tool Kit Consumables

Part Number	Description
TKT-FANBT-A	Buffer Tube Fan-Out Assembly Tool Kit includes buffer tube fan-out assembly fixture and buffer tube fan-out kit instructions
TKT-FANBT-C	Buffer Tube Fan-Out Assembly Consumables Kit includes buffer tube fan-out procedure instructions, buffer tube fan-out clamp, MSDS 411 adhesive, Loctite 411 adhesive, Kimwipes, alcohol wipes, and MSDS alcohol wipes



Furcation Unit

Fan-Out Assembly



Completed Kit Dimensions | Drawing CPC-220/2/2

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

1-800-743-2675 • FAX: +1-828-901-5973 • International: +1-828-901-5000 • <http://www.corning.com/cablesystems>

Corning Cable Systems reserves the right to improve, enhance and modify the features and specifications of Corning Cable Systems products without prior notification. LANscape is a registered trademark of Corning Cable Systems Brands, Inc. Discovering Beyond Imagination is a trademark of Corning Incorporated. All other trademarks are the properties of their respective owners. Corning Cable Systems is ISO 9001 certified. © 2000, 2005 Corning Cable Systems. All rights reserved. Published in the USA. LAN-103-EN / June 2005 / pdf

Closet Connector Housing Panels (CCH-CP)

A LANscape® Solutions Product

Corning
Cable Systems

Applications

- The panels are used with field-installable connectors or in applications where the preconnectorized cables are routed directly from the equipment to the piece of interconnect hardware
- Provides an efficient way to securely mate two or more connectors

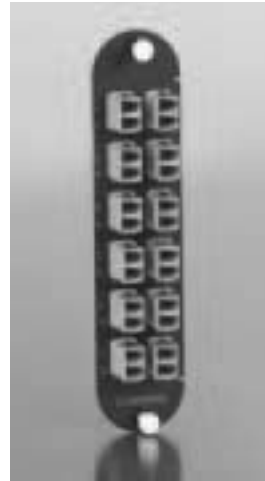
Description

Closet connector housing panels are offered in a wide variety of fiber counts for use with the LANscape® Solutions hardware products. The panels are used with field-installable connectors or in applications where the preconnectorized cables are routed directly from the equipment to the interconnect hardware.

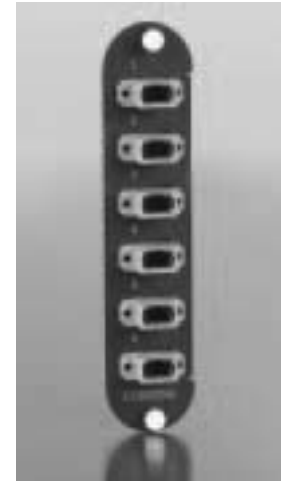
The panels are available with a variety of industry-standard adapter types. In most applications, the closet connector housing panels are designed for applications where specified labeling and connector identification are required. This is accomplished by the use of colored icons, which come standard on panels as space allows.

Features / Benefits

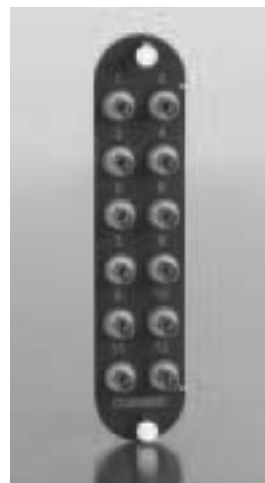
- Designed to accommodate all industry-standard adapter types
- Universal approach is used; one panel size fits in all standard LANscape Solutions hardware (for example, CCH, PCH, CCS, WCH, ICH,EDC, FZB)
- Available in 6-, 8- and 12-fiber count options in most adapter styles; 16- and 24-fiber count options available in MT-RJ and LC duplex styles
- Unique color-coded connector labeling system (space permitting)



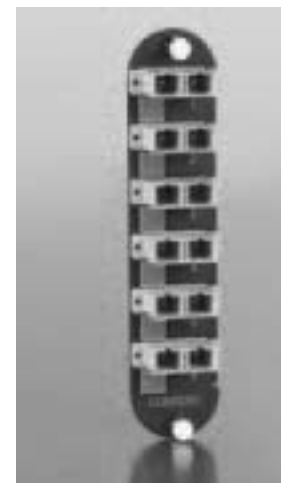
24-Fiber LC Duplex Connector |
Photo LAN661



72-Fiber MTP® Connector Panel |
Photo LAN659



12-Fiber ST® Compatible
Connector Panel | Photo LAN662



12-Fiber SC Duplex Connector
Panel | Photo LAN658

Closet Connector Housing Panels (CCH-CP)

A LANscape® Solutions Product

Corning
Cable Systems

Ordering Information

Adapter Code	Fiber Type	Alignment	Housing	UPC/ APC	Fibers/ Adapter	Available Fibers/Panel Counts						
						6	8	12	16	24	36	72
LC Duplex												
A8	62.5 µm Multimode	Ceramic	Composite	UPC	2		X	X	X	X		
D3	50 µm Multimode	Ceramic	Composite	UPC	2		X	X	X	X		
E4	LOMMF*	Ceramic	Composite	UPC	2		X	X	X	X		
A9	Single-mode	Ceramic	Composite	UPC	2		X	X	X	X		
SC Duplex												
91	62.5 µm Multimode	Composite	Composite	UPC	2		X	X				
G7	50 µm Multimode	Ceramic	Composite	UPC	2		X	X				
E7	LOMMF	Ceramic	Composite	UPC	2		X	X				
59	Single-mode	Ceramic	Composite	UPC	2		X	X				
MT-RJ												
97	62.5 µm Multimode	N/A	Composite	UPC	2		X	X	X	X		
G1	50 µm Multimode	N/A	Composite	UPC	2		X	X	X	X		
E1	LOMMF	N/A	Composite	UPC	2		X	X	X	X		
98	Single-mode	N/A	Composite	UPC	2		X	X	X	X		
SC												
56	62.5 µm Multimode	Composite	Composite	UPC	1	X	X	X				
G6	50 µm Multimode	Ceramic	Composite	UPC	1	X	X	X				
E6	LOMMF	Ceramic	Composite	UPC	1	X	X	X				
3C	Single-mode	Ceramic	Composite	UPC	1	X	X	X				
6C	Single-mode	Ceramic	Composite	APC	1	X	X	X				
ST® Compatible Connector												
25T	62.5 µm Multimode	Composite	Composite	UPC	1	X	X	X				
15T	62.5 µm Multimode	Ceramic	Composite	UPC	1	X	X	X				
G5	50 µm Multimode	Ceramic	Composite	UPC	1	X	X	X				
E5	LOMMF	Ceramic	Composite	UPC	1	X	X	X				
19T	Single-mode	Ceramic	Composite	UPC	1	X	X	X				
FC												
11	Single-mode	Metal	Metal	UPC	1	X	X	X				
21	Single-mode	Metal	Metal	APC	1	X	X	X				
MTP® Connector												
69	62.5 µm Multimode	N/A	Composite	UPC	12					X	X	X
G3	50 µm	N/A	Composite	UPC	12					X	X	X
E3	LOMMF	N/A	Composite	UPC	12					X	X	X
89	Single-mode	N/A	Composite	UPC	12					X	X	X
90	Single-mode	N/A	Composite	APC	12					X	X	X
Fiber Type Housing Color												
62.5 µm Multimode		Beige										
50 µm Multimode		Black										
50 µm LOMMF		Aqua										
Single-mode		Blue										
Single-mode APC		Green										

*LOMMF = Laser-Optimized Multimode Fiber

Closet Connector Housing Panels (CCH-CP)

A LANscape® Solutions Product

Corning
Cable Systems

Ordering Information (continued)

Closet Connector Panels

CCH - CP - ← **CCH-CP12-59**

Use the following options to construct the part number:

1 Select fiber count.

06 = 6 fibers
08 = 8 fibers
12 = 12 fibers
16 = 16 fibers
24 = 24 fibers
36 = 36 fibers
72 = 72 fibers
E4 = 144 fibers

Confirm fiber count for desired adapter is available in preceding chart.

2 Select adapter code from chart on previous page.

Pigtailed Closet Connector Panels (pigtail is 3 m long)

CCH - CP - - P03

Use the following options to construct the part number:

1 Select fiber count.

06 = 6 fibers
08 = 8 fibers
12 = 12 fibers
16 = 16 fibers
24 = 24 fibers
36 = 36 fibers
72 = 72 fibers
E4 = 144 fibers

Confirm fiber count for desired adapter is available in preceding chart

2 Select adapter code.

From chart on previous page.

3 Select fiber type.

MIC® Subunit (Standard Fiber Cable Option)

CH = Standard multimode (50/125 μm)
SH = Laser-optimized multimode (50/125 μm) Sx +
KH = Multimode (62.5/125 μm)
RH = Single-mode

Ribbon Fiber

CJ = Standard multimode (50/125 μm)
SJ = Laser-optimized multimode (50/125 μm) Sx +
KJ = Multimode (62.5/125 μm)
RJ = Single-mode

OptiStrip™ Buffered Fiber

KN = Multimode (62.5/125 μm)
RN = Single-mode

Closet Connector Housing Panels (CCH-CP)

A LANscape® Solutions Product

Corning
Cable Systems

Ordering Information *(continued)*

Colored Icons

Pack of 50 Colored Icons

ICN -
1

Use the following options to construct the part number:

1 Select icons.

Blank Icons



YLB = Blank (Yellow)
RDB = Blank (Red)
GRB = Blank (Green)
BLB = Blank (Blue)
WTB = Blank (White)

Etched Icons



BLP = Phone (Blue)



RDC = Computer (Red)



GRT = Cable TV (Green)

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

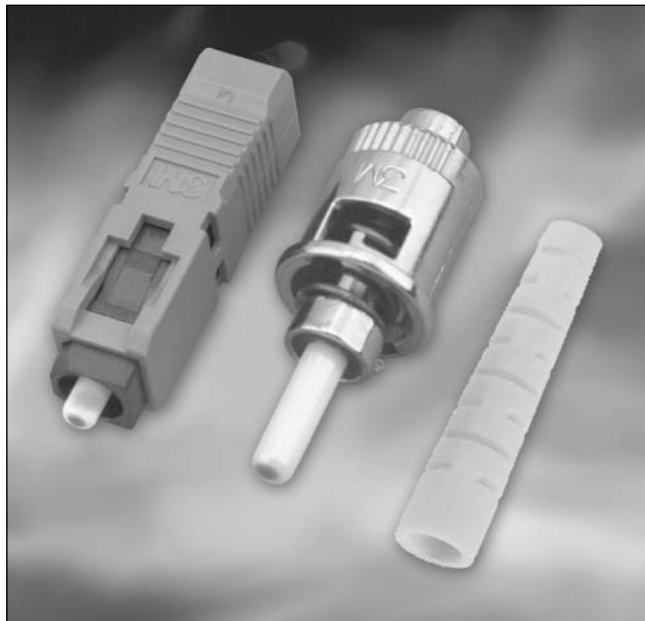
1-800-743-2675 • FAX: +1-828-901-5973 • International: +1-828-901-5000 • <http://www.corning.com/cablesystems>

Corning Cable Systems reserves the right to improve, enhance and modify the features and specifications of Corning Cable Systems products without prior notification. LANscape and MIC are registered trademarks of Corning Cable Systems Brands, Inc. OptiStrip is a trademark of Corning Cable Systems Brands, Inc. Discovering Beyond Imagination is a trademark of Corning Incorporated. MTP is a registered trademark of USConec, Ltd. ST is a registered trademark of Lucent Technologies. All other trademarks are the properties of their respective owners. Corning Cable Systems is ISO 9001 certified. © 2001, 2005 Corning Cable Systems. All rights reserved. Published in the USA. LAN-133-EN / June 2005 / pdf



ST, FC, SC Hot Melt Connectors for Indoor/Outdoor Applications

Single-mode and Multimode



3M Hot Melt Connectors can be used in high temperature environments.

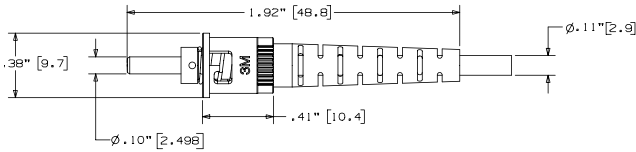
3M Hot Melt Connectors have a proven record of high performance and ease of use in local area networks around the world. These connectors are now qualified to TIA/EIA 568B standards for both indoor and outdoor use, including temperatures as high as 85°C (185°F). Drawing on 70 years of adhesive expertise and 40 years of experience in ceramic technology, 3M provides the most convenient, reliable and easy-to-install connectors on the market.

Preloaded adhesive means no syringe and no epoxy mixing is needed, saving installation time. The PC zirconia ceramic ferrule provides superior optical contact and durability. The ability to reheat and reposition fiber within the connector means virtually all connections are successful, saving time and money. And one kit provides everything needed to terminate ST, FC, and SC connectors for both single-mode and multimode applications.

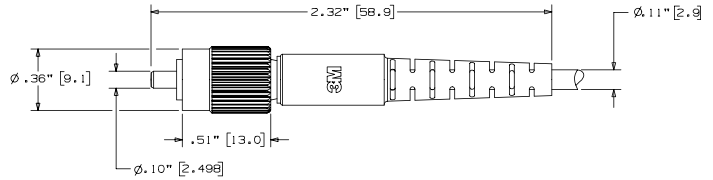
Features	Benefits
Preloaded Hot Melt adhesive	Easy to use, no epoxy to mix, fewer consumables
Terminates in less than 2 minutes	Saves time and labor
Meets TIA/EIA 568B standards for indoor and outdoor applications	Reliable performance
Reheatable adhesive allows fiber repositioning	High yield reduces waste of connectors and time
Pre-radiused PC zirconia ceramic ferrule	Assures optical contact and stability up to 85°C (185°F)
Universal Kit contains consumables for up to 400 connectors*	Eliminates confusion and lost time

*Alcohol is not included. Connectors are sold separately.

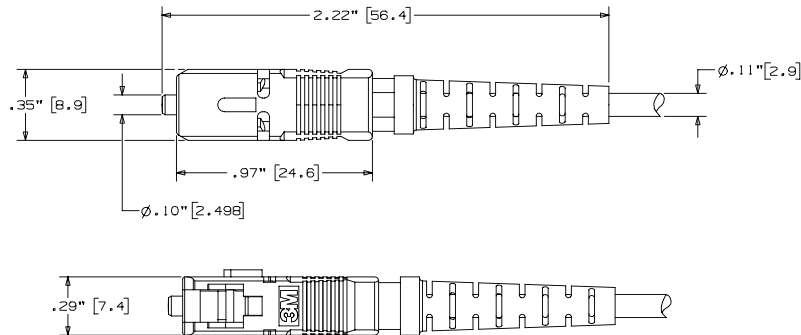
ST Hot Melt Connector



FC Hot Melt Connector



SC Hot Melt Connector



Specifications

Product Number	6100 MM ST	8100 SM ST	6200 MM FC	8200 SM FC	6300 MM SC	8300 SM SC
Operating Temperature	-40°C to +85°C (-40°F to +185°F)		-40°C to +85°C (-40°F to +185°F)		-40°C to +85°C (-40°F to +185°F)	
Attenuation*	<0.2dB typical		<0.2dB typical		<0.2dB typical	
Reflection*	-25dB typical	-40dB typical	-25dB typical	-40dB typical	-25dB typical	-40dB typical
Mating Durability (500 matings)	<0.2dB change		<0.2dB change		<0.2dB change	
Storage Temperature	-40°C to +85°C (-40°F to +185°F)		-40°C to +85°C (-40°F to +185°F)		-40°C to +85°C (-40°F to +185°F)	
Testing Specification	TIA/EIA 568B		TIA/EIA 568B		TIA/EIA 568B	
Materials and Identification						
Ferrule	Zirconia Ceramic		Zirconia Ceramic		Zirconia Ceramic	
Housing Body	Nickel plated zinc		Engineered resin		Engineered resin	
Boot	Thermoplastic elastomer		Thermoplastic elastomer		Thermoplastic elastomer	
Flame Retardancy	UL-94 V-0		UL-94 V-0		UL-94 V-0	
Adhesive	Blue dot on ferrule		Blue dot on ferrule		Blue dot on ferrule	

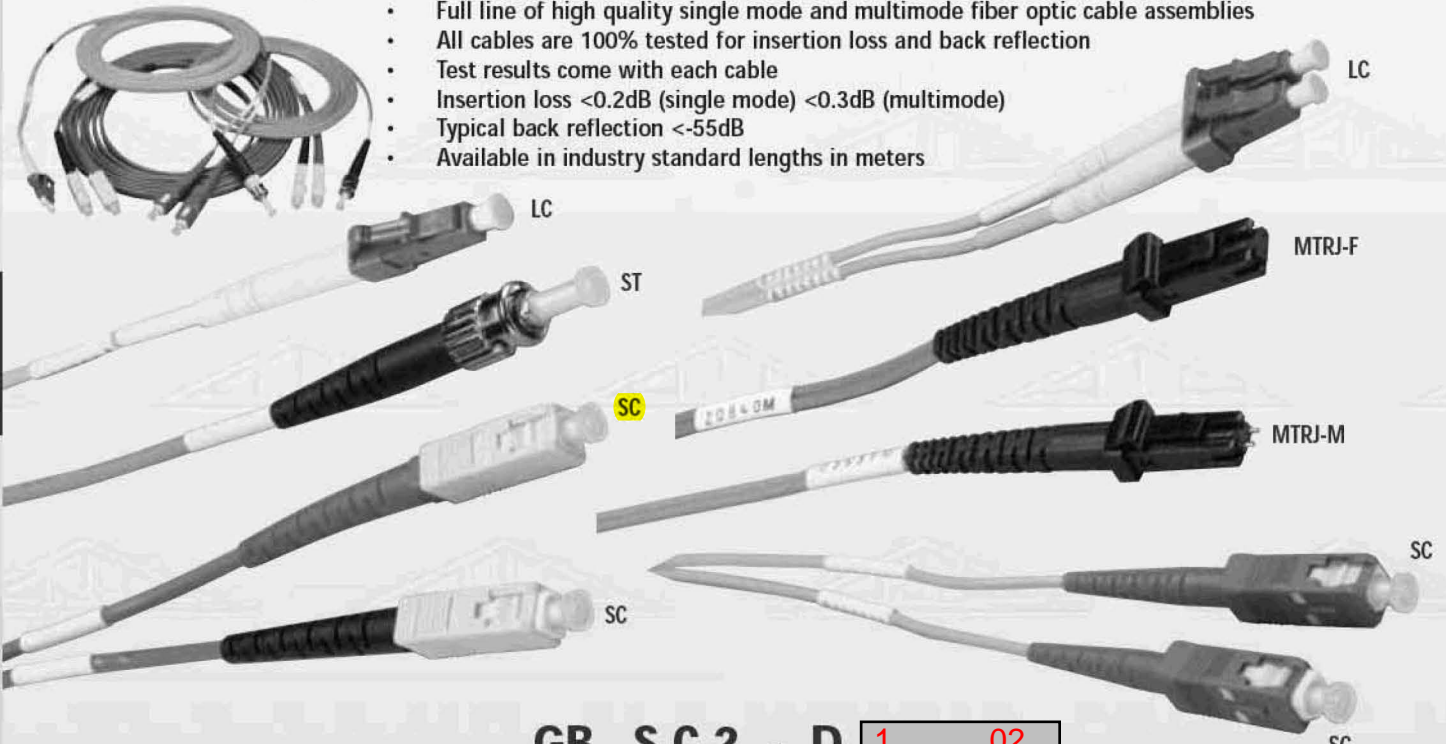
*Multimode connectors tested at 850nm and 1300nm.

Single-mode connectors tested at 1310nm and 1550nm.

Patch Cords

Fiber Optic Cable Assemblies

- Full line of high quality single mode and multimode fiber optic cable assemblies
- All cables are 100% tested for insertion loss and back reflection
- Test results come with each cable
- Insertion loss <0.2dB (single mode) <0.3dB (multimode)
- Typical back reflection <-55dB
- Available in industry standard lengths in meters



GB SC2 - D 1 02

Connector to Connector Configurations

FC2	FC to FC
FCC	FC to SC
FCT	FC to ST
LC2	LC to LC
LCC	LC to SC
LCT	LC to ST
MF2	MTRJ Female to MTRJ Female
MFC	MTRJ Female to SC
MFL	MTRJ Female to LC
MFT	MTRJ Female to ST
MM2	MTRJ Male to MTRJ Male
MMC	MTRJ Male to SC
MMF	MTRJ Male to MTRJ Female
MMT	MTRJ Male to ST
SC2	SC to SC
ST2	ST to ST
STC	ST to SC

Length

01 - 1 Meter	08 - 8 Meter
02 - 2 Meter	09 - 9 Meter
03 - 3 Meter	10 - 10 Meter
04 - 4 Meter	15 - 15 Meter
05 - 5 Meter	20 - 20 Meter
06 - 6 Meter	25 - 25 Meter
07 - 7 Meter	30 - 30 Meter

Fiber

- 1 - Single Mode 9/125 (Yellow Jacket)
- 2 - Multi Mode 62.5/125 (Orange Jacket)
- 3 - Multi Mode (Only) 50/125 (Blue Jacket)

Cable Type

- S - Simplex**
- D - Duplex**

Ordering Example

GBSC2-D2-03
SC to SC duplex 62.5/125 microns multimode - 3 Meters

