



CEYY.R18795

## Outlet Boxes and Fittings Classified for Fire Resistance

### [See General Information for Outlet Boxes and Fittings Classified for Fire Resistance](#)

#### CANTEX INC

R18795

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Types EZ18CN, EZ18CNG, EZ20CH, EZ20CHG, EZ20CN, EZ20CNG nonmetallic outlet boxes intended for fixture support. For use in the ceiling of fire resistance floor-ceiling assemblies constructed with wood joists, wood flooring and gypsum wallboard ceilings with 2 hr or less classification periods. Clearance between boxes and cutouts in ceiling shall not exceed 1/8 in. The area of openings for boxes shall not aggregate more than 31.0 sq in. per 100 sq ft of ceiling area with no opening exceeding 13.0 sq in. No box shall be located within 4.5 ft of another box.

Types EZ14SO, EZ16SN, EZ18SN, EZ18SNZ, EZ18XN, EZ20SN, EZ20SB, EZ20SBV, EZ20SNZ, EZ23SN, EZ23SNZ, EZ25DO, EZ32DN, EZ32DNZ, EZ32XN, EZ44TN, EZ44TNZ, EZ48TN, EZ74TN, EZ18CN, EZ18CNG, EZ20CH, EZ20CHG, EZ20CN and EZ20CNG, nonmetallic outlet boxes. For use in fire resistance walls constructed of wood or nonbearing steel studs and gypsum wallboard with 2 hrs or less classification periods. Clearance between boxes and cutouts in wall shall not exceed 1/8 in. The area of openings for boxes shall not aggregate more than 100 sq in. per 100 sq ft of wall or partition area with no opening exceeding 22.0 sq. in. Outlet boxes on opposite sides of wall or partition shall be separated by a horizontal distance of not less than 24 in.

Types EZ14SO, EZ16SN, EZ18CO, EZ18COG, EZ18SN, EZ18XN, EZ20SN, EZ23SN nonmetallic outlet boxes not intended for fixture support. For use in fire resistance floor-ceiling assemblies constructed with wood joists, wood flooring and gypsum wallboard ceilings with 2 hr or less classification periods. Clearance between boxes and cutouts in ceiling shall not be exceed 1/8 in. The area of openings for boxes shall not aggregate more than 31.0 sq in. per 100 sq ft of ceiling area with no opening exceeding 9.75 sq in. No box shall be located within 4.5 ft of another box.

Types EZ03SXA, EZ06DXA, EZXKL, EZYKL covers and extension rings intended for use with 4 in. diam or square ceiling or wall outlet and switch boxes.

Types EZ03YC, EZ04YC, EZ08ED, EZ09ED, EZ04ES, EZ05ES, EZ06ES, EZ08ES, EZYL1 nonmetallic box exteners for use with nonmetallic boxes described above.

The boxes shall be installed in compliance with the National Electrical Code.

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## [Outlet Boxes and Fittings] Outlet Boxes and Fittings Classified for Fire Resistance

[See General Information for Outlet Boxes and Fittings](#)

### GENERAL

This category covers special purpose boxes for installation in floors and nonmetallic outlet boxes for installation in walls and partitions and ceilings in accordance with the provisions of NFPA 70, "National Electrical Code" (NEC). They have shown a degree of fire resistance when installed in the particular floor(s) or wall(s) described for each Classified company. Boxes of the type Listed in UL's Electrical Construction Materials Directory have been investigated and found to comply with established electrical requirements and are so Listed.

This category includes Classifications for nonmetallic outlet and switch boxes for use in fire resistive rated wall or partition assemblies. The information provided for each Classification includes the model numbers for the Classified products, a description of the rated assemblies, the spacing limitations for the boxes and the installation details. Nonmetallic boxes should not be installed on opposite sides of walls or partitions of staggered stud construction unless Classified for use in such constructions.

Where indicated in the individual Classifications, products have also been investigated for heat and smoke release characteristics in accordance with UL 2043, "Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces." Such products may be installed in air-handling spaces in accordance with Sec. 300.22(C) of the NEC. Authorities Having Jurisdiction should be consulted before installation.

### FLOOR BOXES

Boxes for use with floors have been investigated for use with electrical receptacles fabricated of melamine, phenolic or urea materials, unless specified otherwise in the installation instructions and Classification information. Floor boxes and fittings are intended to be installed in accordance with installation instructions provided with the product.

Boxes with integral connectors for electric metallic tubing or for unthreaded rigid metallic conduit are provided with a marking on the carton to indicate the specific type or types of wiring system for which the box has been tested.

Floor boxes designated for floor installation as covered in the NEC are provided with covers and gaskets to exclude surface water and sweeping compounds that might be present in floor cleaning operations. Those boxes, intended for installation in concrete floors, are frequently provided with leveling screws, threaded hubs, or both and are provided with a marking on the carton to identify boxes of this type such as "Floor Box" or "Floor Box, Concrete Tight" as appropriate.

## WALL AND PARTITION AND CEILING BOXES

Nonmetallic outlet boxes evaluated for installation in fire resistive assemblies are provided with the appropriate Listing Mark for electrical products and other markings as described in Nonmetallic Outlet Boxes ([QCMZ](#)). Nonmetallic outlet boxes Classified for use in fire resistive designs may have the following marking in the base of the box:



**Class \* hr, F, W and/or C**

where \* indicates hourly rating such as 1 hr or 2 hr and F = Floor, W = Wall and C = Ceiling.

The boxes are Classified for use in certain fire resistive designs when installed in accordance with the details described for each Classified company. Any Listed metallic or nonmetallic cover is suitable for use with these nonmetallic boxes.

For information on the installation of Listed metallic outlet and switch boxes in fire resistive rated wall or partition assemblies, see Metallic Outlet Boxes ([QCIT](#)).

### REQUIREMENTS

The basic standard used to investigate products in this category is ANSI/UL 263, "Fire Tests of Building Construction and Materials".

The Classification Mark of Underwriters Laboratories Inc. on the product or on each UL Classified Steel Floor and Form Unit with factory-installed floor boxes or the UL symbol on the product and the Classification Mark of Underwriters Laboratories Inc. on the smallest unit container in which the product is packaged, is the only method provided by UL to identify products manufactured under its Classification and Follow-Up Service. The Classification Mark for these products includes the UL symbol, the word "CLASSIFIED" above the UL symbol (as illustrated in the Introduction of this Directory), and the following additional information:

**OUTLET BOXES AND FITTINGS  
CLASSIFIED FOR FIRE RESISTANCE  
DESIGN NOS. \_\_\_\_  
SEE PRODUCT CATEGORY IN  
UL FIRE RESISTANCE DIRECTORY  
(Control No.)**

Where indicated in the individual Classifications, products may be marked "Suitable for use in air-handling spaces in accordance with Sec. 300.22(C) of the National Electrical Code" when investigated to determine suitability for such use.

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