

Optical Fiber/Communications Cable Raceways



UL 2024

UL tests raceways and fittings for installation of nonconductive optical fiber cables in accordance with Article 770 of the National Electrical Code and communications cables in accordance with Article 800 of the National Electrical Code. Listing includes pliable lengths, rigid straight sections, elbows, bends and fittings such as expansion joints, female and male adapters, and couplings. Individual raceway systems differ in their construction and therefore their components are not interchangeable with other raceways or fittings of other systems. The basic standard used to investigate products in this category is UL 2024, "Optical Fiber Cable Raceway."

Plenum

A raceway marked "Plenum" is suitable for use in ducts, plenums or other spaces used for environmental air when used to enclose optical fiber cables marked OFNP or communications cable marked CMP or CMP-OF. This raceway exhibits a maximum peak optical density of 0.5, a maximum average optical density of 0.15, and a maximum flame spread distance of 5 feet when tested in accordance with the Test For Flame Propagation and Smoke-Density Values (Plenum) in UL 2024. A marking on the surface of the raceway or on a marker tape indicating "Plenum" identifies this raceway.

Riser

A raceway marked "Riser" is suitable for installation in risers when used to enclose optical fiber cable marked OFNP and OFNR or communications cable marked CMP, CMP-OF, CMR or CMR-OF. This raceway has fire resistant characteristics capable of preventing the carrying of fire from floor to floor. This raceway exhibits flame-propagation height of less than 12 feet and a temperature of less than 850 deg. F. at the 12 foot point when tested in accordance with the Test For Flame Propagation (Riser) in UL 2024. A marking on the surface of the raceway or on a marker tape indicating "Riser" identifies this raceway.

General purpose

A raceway with neither the marking "Plenum" nor "Riser" is suitable for general purpose use, with the exception of risers, plenums, and other spaces used for environmental air when used to enclose optical fiber cables marked OFNP, OFNR or OFN or communications cables marked CMG, CMG-OF, CM, CM-OF, CMR, CMR-OF, CMP or CMP-OF. This raceway does not exhibit damage at its upper end after being subjected to 20 minutes of flame when tested in accordance with the Vertical-Tray Flame Test (General Use) in UL 2024.

The UL symbol and the following product name: "OPTICAL FIBER RACEWAY" or "COMMUNICATIONS CABLE RACEWAY," or "OPTICAL FIBER/COMMUNICATIONS CABLE RACEWAY" on the raceway and the Listing Mark of Underwriters Laboratories Inc. on the attached tag, the reel, or the smallest unit container in which the product is packaged is the only method provided by UL to identify these products manufactured under its Listing and Follow-Up Service.

About Quintis

Quintis is a concept driven by the MH-Group, a leading international solution provider in the Data & Telecom market. Global, international and local customers enjoy tailored solutions based on renowned partnerships. The MH-Group has offices in the Netherlands, Belgium and Germany and represents Warren & Brown Technologies PTY LTD for EMEA region.

The next page will show the Certificate of Compliance for the Optical Fiber / Communications / Signaling / Coaxial Cable Raceways, produced by Warren&Brown Technologies PTY LTD

Certificate of Compliance

Certificate Number 20060726 - E303250
Report Reference E303250, July 26, 2006
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Issued to: **WARREN & BROWN TECHNOLOGIES PTY LTD**
MAIDSTONE 3012
108 MITCHELL ST
PO BOX 235
FOOTSCRAY, VIC 3011 AUSTRALIA

*This is to certify that
representative samples of*

**Optical Fiber/Communications/Signaling/Coaxial Cable
Raceways**


USL, Fiber/Communications/Signaling/Coaxial Cable Raceways, 1 x 1 in., 2 x 2 in., 4 x 2 in. 4 x 4 in., 8 x 4 in., 12 x 4 in.

*Have been investigated by Underwriters Laboratories Inc.® in accordance
with the Standard(s) indicated on this Certificate.*

Standard(s) for Safety: **The basic standard used to investigate products in this category is UL 2024,
"Optical Fiber Cable Raceway."**

Additional Information: **None**

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle:  with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product

Issued by: *Fernando Machicado*
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Reviewed by: *Daniel M. Haiducu*
Daniel M. Haiducu, Senior Project Engineer
Underwriters Laboratories Inc.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL

For questions in The United States of America you may call 1-877-UL-HELPS.