TeraSPEED® Low Smoke Zero Halogen Riser Distribution Cable, 8 fiber single-unit, singlemode, yellow

Product Classification

Portfolio
CommScope®
Product Type
Fiber indoor cable
Regional Availability
Asia | Australia/New Zealand | EMEA | Latin America | North America

Standards And Qualifications

EN50575 CPR Cable EuroClass
Dca | s1a | d1 | a2
Cable Qualification Standards
ANSI/ICEA S-83-596 | Telcordia GR-409

Representative Image

General Specifications

Cable Type
Distribution
Construction Type
Non-armored
Subunit Type
Gel-free

Construction Materials

Fiber Type Solution
G.652.D and G.657.A1, TeraSPEED®
Total Fiber Count 8
Fiber Type G.652.D and G.657.A1, TeraSPEED®
Fiber Type, quantity 8
Jacket Color Yellow

Dimensions
Cable Weight 18.8 lb/kft | 28.0 kg/km
Diameter Over Jacket 5.60 mm | 0.22 in

Physical Specifications
Minimum Bend Radius, loaded 8.4 cm | 3.3 in
Minimum Bend Radius, unloaded 5.6 cm | 2.2 in
Tensile Load, long term, maximum 45 lbf | 200 N
Tensile Load, short term, maximum 150 lbf | 667 N
Vertical Rise, maximum 500.0 m | 1640.4 ft

Flame Test Specifications
Flame Test Listing NEC OFNR-LS (ETL) and c(ETL)
Flame Test Method IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | IEEE 383 | UL 1666 | UL 1685

Environmental Specifications
Environmental Space Low Smoke Zero Halogen (LSZH) | Riser
Installation Temperature -10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature -20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F)

Mechanical Test Specifications
Compression 10 N/mm | 57 lb/in
Compression Test Method FOTP-41 | IEC 60794-1 E3
Flex 100 cycles
Flex Test Method FOTP-104 | IEC 60794-1 E6
Impact 4.34 ft lb | 5.88 N-m
Impact Test Method FOTP-25 | IEC 60794-1 E4
Strain See long and short term tensile loads
Strain Test Method FOTP-33 | IEC 60794-1 E1
Twist 10 cycles
Twist Test Method FOTP-85 | IEC 60794-1 E7
Environmental Test Specifications

- **Heat Age**: -20 °C to +85 °C (-4 °F to +185 °F)
- **Heat Age Test Method**: IEC 60794-1 F9
- **Low High Bend**: -10 °C to +60 °C (+14 °F to +140 °F)
- **Low High Bend Test Method**: FOTP-37 | IEC 60794-1 E11
- **Temperature Cycle**: -20 °C to +70 °C (-4 °F to +158 °F)
- **Temperature Cycle Test Method**: FOTP-3 | IEC 60794-1 F1

Regulatory Compliance/Certifications

- **Agency**
  - RoHS 2011/65/EU
  - ISO 9001:2015
  - CENELEC
- **Classification**
  - RoHS Compliant
  - Designed, manufactured and/or distributed under this quality management system
  - EN 50575 compliant, Declaration of Performance (DoP) available

Included Products

- **CS-8W-TB** (Product Component—not orderable) — TeraSPEED® Singlemode Fiber

* Footnotes

- **Operating Temperature** Specification applicable to non-terminated bulk fiber cable