LazrSPEED® Low Smoke Zero Halogen Riser Distribution Cable, 6 fiber single-unit, OM4, aqua

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: OM4, LazrSPEED® 550
Total Fiber Count: 6
Fiber Type: OM4, LazrSPEED® 550
Fiber Type, quantity: 6
Jacket Color: Aqua

Dimensions
- Cable Weight: 16.1 lb/kft | 24.0 kg/km
- Diameter Over Jacket: 5.07 mm | 0.20 in

Physical Specifications
- Minimum Bend Radius, loaded: 7.6 cm | 3.0 in
- Minimum Bend Radius, unloaded: 5.1 cm | 2.0 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 | Classification
RoHS 2011/65/EU | Compliant
ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system
CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available

Included Products

CS-5K-TB (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

* Footnotes

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