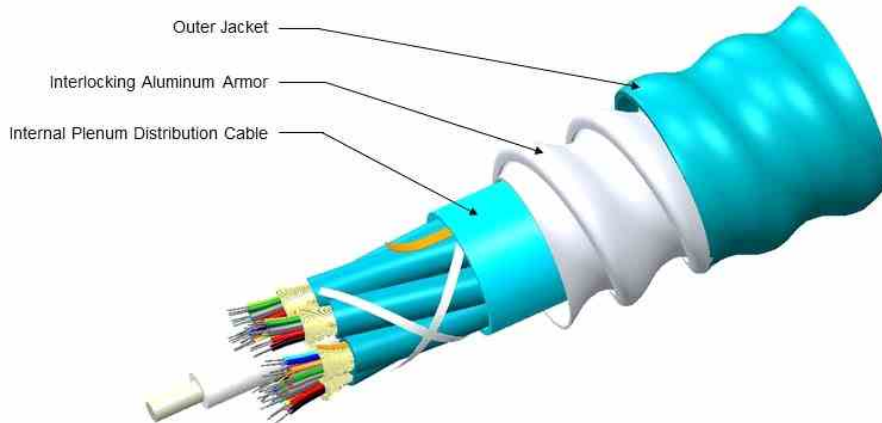




760125971 | P-048-DZ-5K-FMUAQ

Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 48 fiber multi-unit with 12 fiber subunits

Representative Image



General Specifications

Cable Type	Distribution
Construction Type	Armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	LazrSPEED® 550, 50 µm multimode fiber (OM4)
Total Fiber Count	48
Armor Type	Interlocking aluminum
Fiber Type	LazrSPEED® 550, 50 µm multimode fiber (OM4)
Fiber Type, quantity	48
Fibers per Subunit, quantity	12
Jacket Color	Aqua

Dimensions

Buffer Tube/Subunit Diameter	5.77 mm 0.23 in
Cable Weight	302.0 lb/kft 449.0 kg/km
Diameter Over Armor	20.96 mm 0.83 in
Diameter Over Jacket	23.00 mm 0.91 in
Subunit, quantity	4

Physical Specifications

Minimum Bend Radius, loaded	46.0 cm 18.1 in
Minimum Bend Radius, unloaded	32.2 cm 12.7 in

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Tensile Load, long term, maximum 400 N | 90 lbf
Tensile Load, short term, maximum 1335 N | 300 lbf
Vertical Rise, maximum 91.0 m | 298.6 ft

Flame Test Specifications

Flame Test Listing NEC OFCP (ETL) and c(ETL)
Flame Test Method NFPA 262

Environmental Specifications

Environmental Space Plenum
Installation Temperature 0 °C to +70 °C (+32 °F to +158 °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 485 lb/in | 85 N/mm
Compression Test Method FOTP-41 | IEC 60794-1 E3
Flex 25 cycles
Flex Test Method FOTP-104 | IEC 60794-1 E6
Impact 25.80 ft lb | 35.00 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 -20 °C to +70 °C (-4 °F to +158 °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

Qualification Specifications

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



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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