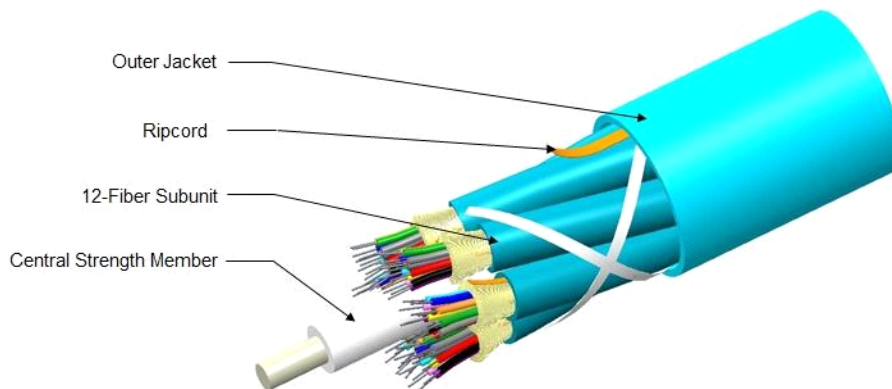


760024554 | P-048-DS-5K-FMUAQ

Plenum Distribution Cable, 48 fiber multi-unit with 12 fiber subunits

Representative Image



General Specifications

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

Construction Materials

Fiber Type Solution	LazrSPEED® 550, 50 µm multimode fiber (OM4)
Total Fiber Count	48
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	138.0 lb/kft 205.0 kg/km
Diameter Over Jacket	14.91 mm 0.59 in
Subunit, quantity	4

Physical Specifications

Minimum Bend Radius, loaded	22.4 cm 8.8 in
Minimum Bend Radius, unloaded	14.9 cm 5.9 in
Tensile Load, long term, maximum	90 lbf 400 N

760024554 | P-048-DS-5K-FMUAQ

Tensile Load, short term, maximum 300 lbf | 1335 N
Vertical Rise, maximum 199.0 m | 652.9 ft

Flame Test Specifications

Flame Test Listing NEC OFNP (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 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 -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



760024554 | P-048-DS-5K-FMUAQ

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