



Fiber indoor cable, Low Smoke Zero Halogen Distribution, 48 fiber multi-unit, Multimode OM3, Meters jacket marking, Aqua jacket color

Product Classification

Regional Availability	Asia Australia/New Zealand China
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	N-DS

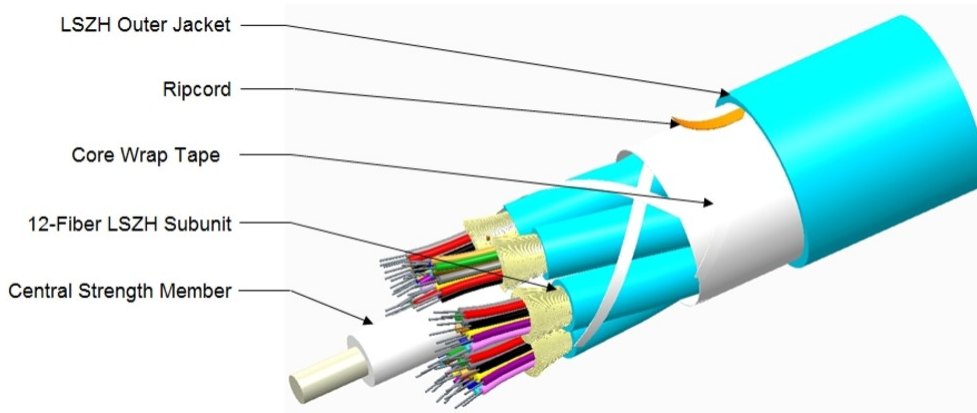
General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Aqua
Jacket Marking	Meters
Subunit, quantity	4
Fibers per Subunit, quantity	12
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	6 mm 0.236 in
Diameter Over Jacket	17.9 mm 0.705 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	358 mm 14.094 in
Minimum Bend Radius, unloaded	179 mm 7.047 in
Tensile Load, long term, maximum	396 N 89.024 lbf
Tensile Load, short term, maximum	1320 N 296.748 lbf
Compression	10 N/mm 57.101 lb/in
Compression Test Method	IEC 60794-1-21 E3
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1-21 E1
Twist	10 cycles

Optical Specifications

Fiber Type	OM3
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Optical Specifications, Wavelength Specific

Attenuation, maximum	1.00 dB/km @ 1,300 nm 3.00 dB/km @ 850 nm
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Environmental Specifications

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)
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Listing	NEC OFNR (UL)
Flame Test Method	IEC 60332-3 UL 1666 UL 1685

Environmental Test Specifications

Temperature Cycle Test Method

IEC 60794-1-22 F1

Included Products

CS-5Y-TB-3.0/1.0/093 – OM3 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable