

Fiber indoor cable, TeraSPEED® Riser Distribution, 72 fiber multi-unit with 12 fiber subunits, Composite OM4 and G.652.D and G.657.A1, Gel-free, Feet jacket marking, Aqua jacket color

Product Classification

Regional Availability

Asia | Australia/New Zealand | Latin America | Middle East /Africa | North America

Portfolio

CommScope®

Product Type

Fiber indoor cable

Product Series

R-DS

General Specifications

Cable Type

Distribution

Construction Type

Non-armored

Subunit Type

Gel-free

Jacket Color

Aqua

Jacket Marking

Feet

Subunit, quantity

6

Fibers per Subunit, quantity

12

Composite Fiber Count

36 + 36

Total Fiber Count

72

Dimensions

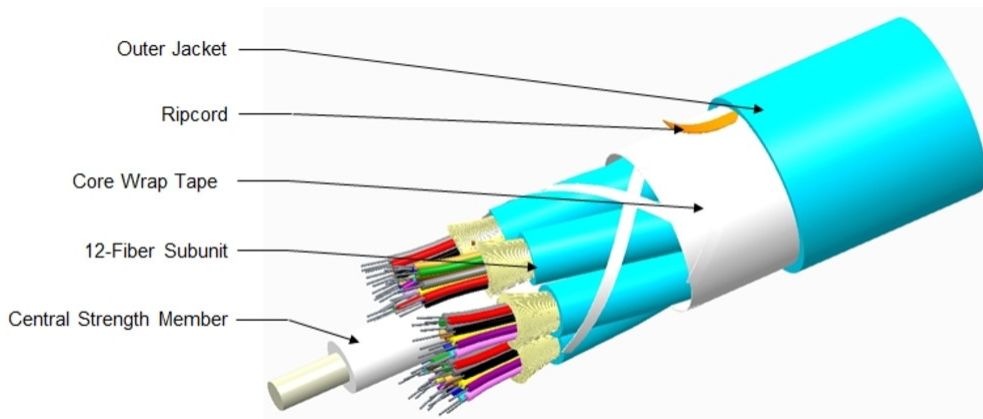
Buffer Tube/Subunit Diameter

5.95 mm | 0.234 in

Diameter Over Jacket

19.88 mm | 0.783 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	298 mm 11.732 in
Minimum Bend Radius, unloaded	199 mm 7.835 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1335 N 300.12 lbf
Compression	10 N/mm 57.101 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	100 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	5.88 N-m 52.042 in lb
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
Vertical Rise, maximum	118 m 387.139 ft

Optical Specifications

Fiber Type	Composite MM/SM G.652.D and G.657.A1, TeraSPEED® OM4, LazrSPEED® 550
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Environmental Specifications

Installation temperature	-20 °C to +70 °C (-4 °F to +158 °F)
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Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596 Telcordia GR-409
Environmental Space	Riser
Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	UL 1666

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

Packaging and Weights

Cable weight	345 kg/km 231.829 lb/kft
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Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

CS-5K-TB	- LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber
CS-8W-TB	- TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable