



Fiber indoor cable, TeraSPEED® Riser Distribution, interlocking aluminum armored, Multimode/Singlemode, 48 fiber multi-unit with 12 fiber subunits, 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-DZ

General Specifications

Armor Type

Interlocking aluminum

Cable Type

Distribution

Construction Type

Armored

Subunit Type

Gel-free

Jacket Color

Aqua

Jacket Marking

Feet

Subunit, quantity

4

Fibers per Subunit, quantity

12

Composite Fiber Count

24 + 24

Total Fiber Count

48

Dimensions

Buffer Tube/Subunit Diameter

5.95 mm | 0.234 in

Diameter Over Armor

20.96 mm | 0.825 in

Diameter Over Jacket

23 mm | 0.906 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	345 mm 13.583 in
Minimum Bend Radius, unloaded	230 mm 9.055 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1335 N 300.12 lbf
Compression	85 N/mm 485.363 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	35 N-m 309.776 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	93 m 305.118 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)
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 OFCR (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	438 kg/km 294.322 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