

TeraSPEED® Riser Distribution Cable, 48 fiber multi-unit with 12 fiber subunits

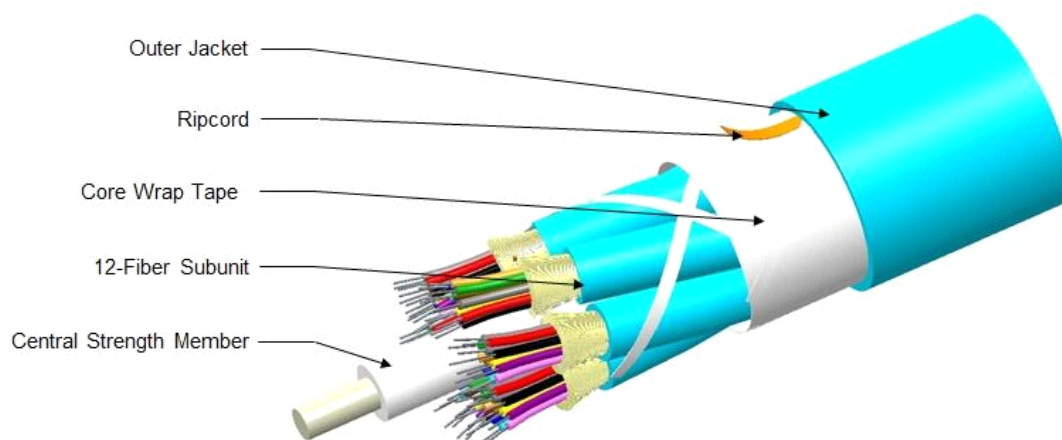
Product Classification

Portfolio	CommScope®
Product Type	Fiber indoor cable
Regional Availability	Asia Australia/New Zealand EMEA Latin America North America

Standards And Qualifications

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



General Specifications

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

Construction Materials

Fiber Type Solution	Composite MM/SM G.652.D and G.657.A1 , TeraSPEED® OM3, LazrSPEED® 300
Total Fiber Count	48
Fiber Type	G.652.D and G.657.A1, TeraSPEED®
Fiber Type, quantity	24

Fibers per Subunit, quantity	12
Jacket Color	Aqua
Second Fiber Type	OM3, LazrSPEED® 300
Second Fiber Type, quantity	24

Dimensions

Buffer Tube/Subunit Diameter	5.95 mm 0.23 in
Cable Weight	142.0 lb/kft 212.0 kg/km
Diameter Over Jacket	15.92 mm 0.63 in
Subunit, quantity	4

Physical Specifications

Minimum Bend Radius, loaded	23.9 cm 9.4 in
Minimum Bend Radius, unloaded	15.9 cm 6.3 in
Tensile Load, long term, maximum	90 lbf 400 N
Tensile Load, short term, maximum	300 lbf 1335 N
Vertical Rise, maximum	192.0 m 629.9 ft

Flame Test Specifications

Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	UL 1666

Environmental Specifications

Environmental Space	Riser
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)

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

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

- CS-5L-TB (Product Component—not orderable) — LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber
- CS-8W-TB (Product Component—not orderable) — TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable