



TeraSPEED® Riser Distribution Cable, interlocking aluminum armored with riser jacket, 12 fiber single-unit

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	Armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	G.652.D and G.657.A1 , TeraSPEED®
Total Fiber Count	12
Armor Type	Interlocking aluminum
Fiber Type	G.652.D and G.657.A1, TeraSPEED®
Fiber Type, quantity	12
Jacket Color	Yellow

Dimensions

Cable Weight	146.0 kg/km 98.0 lb/kft
Diameter Over Armor	10.80 mm 0.43 in
Diameter Over Jacket	12.80 mm 0.50 in

Physical Specifications

Minimum Bend Radius, loaded	25.7 cm 10.1 in
Minimum Bend Radius, unloaded	18.0 cm 7.1 in

Tensile Load, long term, maximum 45 lbf | 200 N
Tensile Load, short term, maximum 150 lbf | 667 N
Vertical Rise, maximum 140.0 m | 459.3 ft

Flame Test Specifications

Flame Test Listing NEC OFCR (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 485 lb/in | 85 N/mm
Compression Test Method FOTP-41 | IEC 60794-1 E3
Flex 25 cycles
Flex Test Method FOTP-104 | IEC 60794-1 E6
Impact 25.80 ft lb | 35.00 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-8W-TB (Product Component—not orderable) — TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable