

TeraSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 96 fiber multi-unit with 12 fiber subunits

Product Classification

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

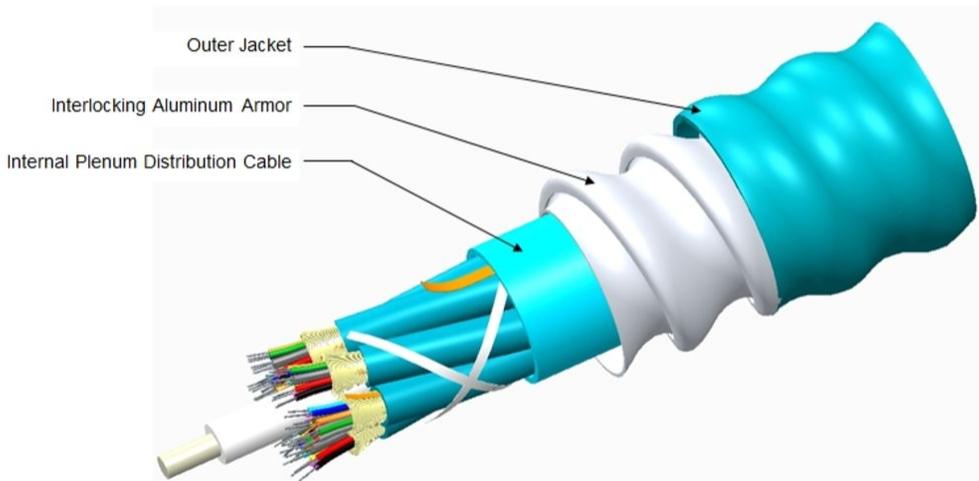
General Specifications

Armor Type	Interlocking aluminum
Cable Type	Distribution
Construction Type	Armored
Fiber Type, quantity	96
Fibers per Subunit, quantity	12
Jacket Color	Yellow
Subunit Type	Gel-free
Subunit, quantity	8
Total Fiber Count	96

Dimensions

Buffer Tube/Subunit Diameter	5.77 mm 0.227 in
Diameter Over Armor	29.85 mm 1.175 in
Diameter Over Jacket	31.9 mm 1.256 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	638 mm 25.118 in
Minimum Bend Radius, unloaded	446 mm 17.559 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

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Strain Test Method	FOTP-33 IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85 IEC 60794-1 E7
Vertical Rise, maximum	48 m 157.48 ft

Optical Specifications

Fiber Type	G.652.D and G.657.A1 , TeraSPEED® G.652.D and G.657.A1, TeraSPEED®
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Environmental Specifications

Installation temperature	0 °C to +70 °C (+32 °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/CEA S-83-596 Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFCP (ETL) and c(ETL)
Flame Test Method	NFPA 130 NFPA 262

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	847 kg/km 569.158 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-8W-TB — TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable