760004382 | P-048-DS-8W-FMUYL

TeraSPEED® Plenum Distribution Cable, 48 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

Cable Type	Distribution
Construction Type	Non-armored
Fiber Type, quantity	48
Fibers per Subunit, quantity	12
Jacket Color	Yellow
Subunit Type	Gel-free
Subunit, quantity	4
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	5.77 mm	0.227 in
Diameter Over Jacket	14.91 mm	0.587 in

Representative Image

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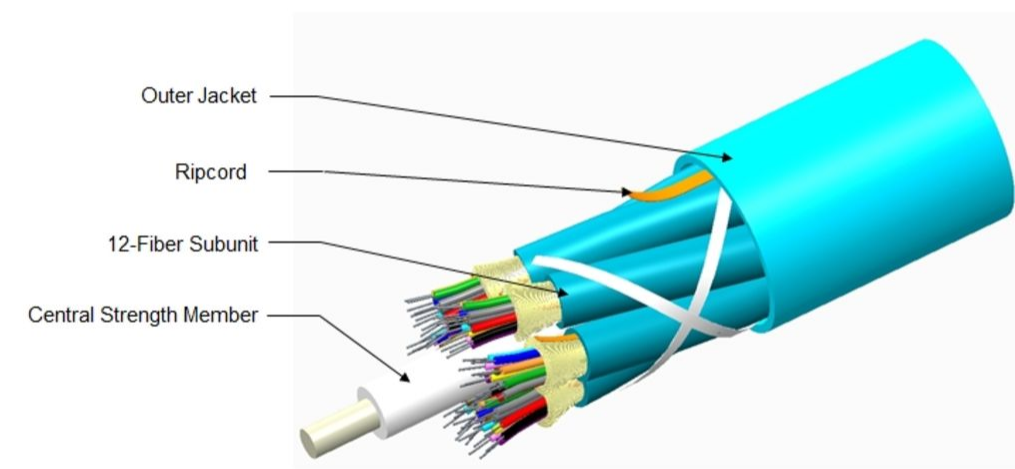
Mechanical Specifications

Minimum Bend Radius, loaded	224 mm	8.819 in
Minimum Bend Radius, unloaded	149 mm	5.866 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

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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	199 m	652.887 ft

Optical Specifications

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

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/ICEA S-83-596	Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFNP (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	205 kg/km	137.754 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

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Included Products

CS-8W-TB — TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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