760119248 | P-001-SP-8W-F25YL

Fiber indoor cable, TeraSPEED® 2.5mm Plenum Simplex, Singlemode G.652.D and G.657.A1, Feet jacket marking, Yellow 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	P-SP

General Specifications

Cable Type	Cordage
Construction Type	Non-armored
Fiber Type, quantity	1
Jacket Color	Yellow
Jacket Marking	Feet
Subunit Type	Gel-free
Total Fiber Count	1

Dimensions

Diameter Over Jacket	2.5 mm	0.098 in

Representative Image

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Outer Jacket
Aramid Yarn
900 µm Tight Buffer
250 µm Optical Fiber
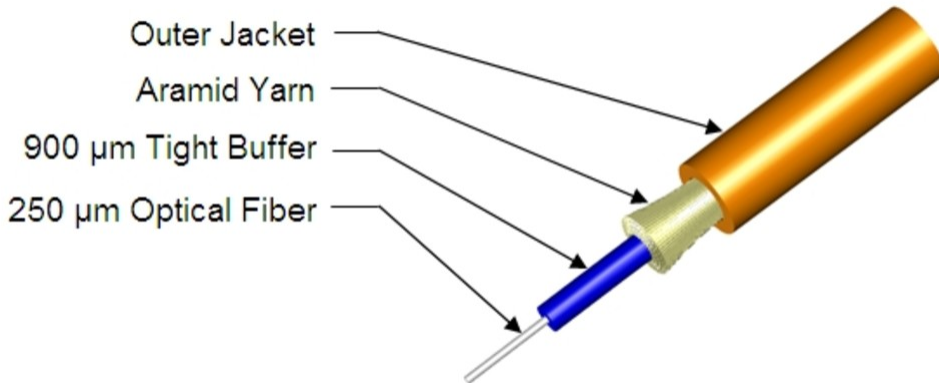
Mechanical Specifications

Minimum Bend Radius, loaded	38 mm	1.496 in
Minimum Bend Radius, unloaded	20 mm	0.787 in
Tensile Load, long term, maximum	80 N	17.985 lbf
Tensile Load, short term, maximum	267 N	60.024 lbf
Compression	10 N/mm	57.101 lb/in
Compression Test Method	FOTP-41	IEC 60794-1 E3
Flex	300 cycles
Flex Test Method	FOTP-104	IEC 60794-1 E6
Impact	0.74 N-m	6.55 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	500 m	1,640.42 ft

Optical Specifications

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

Environmental Specifications

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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	7 kg/km	4.704 lb/kft

Regulatory Compliance/Certifications

Agency	**Classification**
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

ISO
9001:2015

Included Products

CS-8W-TB – TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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