760004358 | P-012-DS-8W-FSUYL

TeraSPEED® Plenum Distribution Cable, 12 fiber single-unit
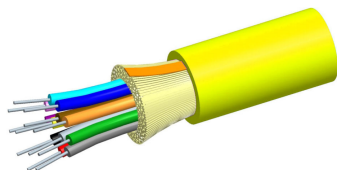
Product Classification

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	12
Jacket Color	Yellow
Subunit Type	Gel-free
Total Fiber Count	12

Dimensions

Diameter Over Jacket	5.77 mm	0.227 in

Representative Image

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Outer Jacket

Aramid Yarn

Ripcord

900 µm Tight Buffer

250 µm Optical Fiber
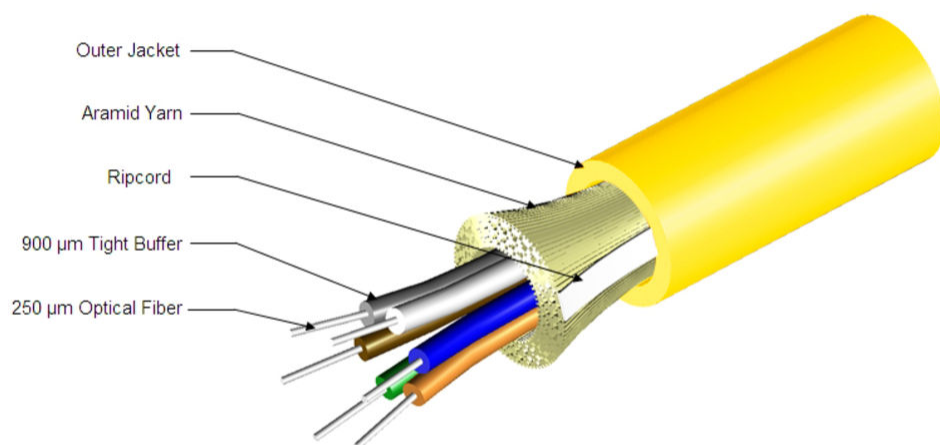
Mechanical Specifications

Minimum Bend Radius, loaded	86 mm | 3.386 in
Minimum Bend Radius, unloaded	58 mm | 2.283 in
Tensile Load, long term, maximum	200 N | 44.962 lbf
Tensile Load, short term, maximum	667 N | 149.948 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	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

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	31 kg/km　｜　20.831 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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