760162271 | P-048-DS-CM-FMUGR/8W024 /5L024

Fiber indoor cable, TeraSPEED® Plenum Distribution, 48 fiber multi-unit with 12 fiber subunits, Composite OM3 and G.652.D and G.657.A1, Gel-free, Feet jacket marking, Green 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-DS

General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Green
Jacket Marking	Feet
Subunit, quantity	4
Fibers per Subunit, quantity	12
Composite Fiber Count	24 + 24
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

COMMSCOPE®
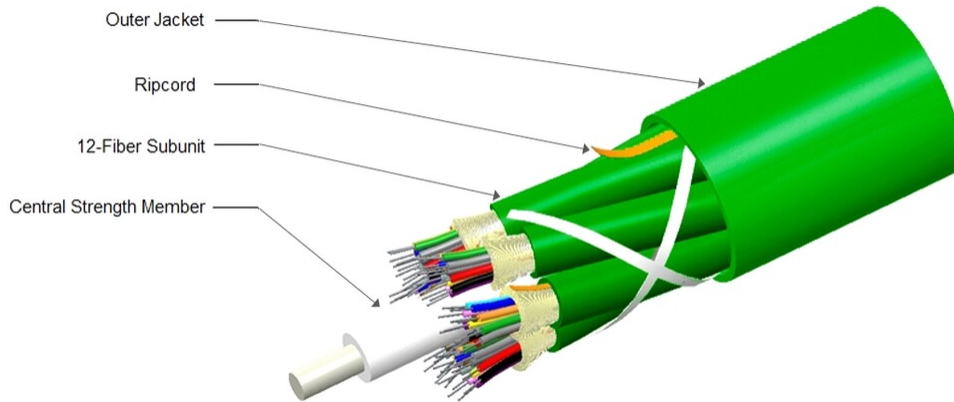
Mechanical Specifications

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
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	Composite MM/SM	G.652.D and G.657.A1, TeraSPEED®	OM3, LazrSPEED® 300

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	205 kg/km | 137.754 lb/kft

Regulatory Compliance/Certifications

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

Included Products

CS-5L-TB	–	LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber
CS-8W-TB	–	TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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