

P-144-MP-8F-F24

Fiber Indoor Cable, Plenum MPO Trunk, 144 fiber multi-unit with 24 fiber subunits, Singlemode, G.657.A1, Gel-free, Feet jacket marking

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-MP

General Specifications

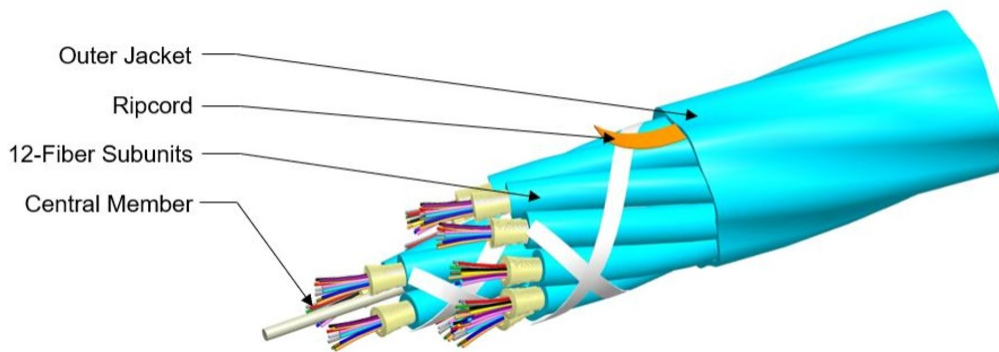
Cable Type	MPO trunk cable
Construction Type	Non-armored
Fiber Type, quantity	144
Fibers per Subunit, quantity	24
Jacket Marking	Feet
Subunit Type	Gel-free
Subunit, quantity	6
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	3.6 mm 0.142 in
Diameter Over Jacket	12.18 mm 0.48 in

Representative Image

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Mechanical Specifications

Minimum Bend Radius, loaded	183 mm 7.205 in
Minimum Bend Radius, unloaded	122 mm 4.803 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	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	285 m 935.039 ft

Environmental Specifications

Installation temperature	0 °C to +70 °C (+32 °F to +158 °F)
Operating Temperature	0 °C to +70 °C (+32 °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

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Flame Test Listing NEC OFNP (ETL) and c(ETL)

Flame Test Method NFPA 262

Environmental Test Specifications

Heat Age 0 °C to +85 °C (+32 °F to +185 °F)

Heat Age Test Method IEC 60794-1 F9

Low High Bend 0 °C to +70 °C (+32 °F to +158 °F)

Low High Bend Test Method FOTP-37 | IEC 60794-1 E11

Temperature Cycle 0 °C to +70 °C (+32 °F to +158 °F)

Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight 143 kg/km | 96.092 lb/kft

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable