760245033 | P-072-MZ-8G1-F12YL



Fiber indoor cable, Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 72 fiber multi-unit with 12 fiber subunits, Gel-free, Singlemode G.657.A2, 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-MZ

General Specifications

Armor Type Interlocking aluminum

Cable Type MPO trunk cable

Construction TypeArmoredSubunit TypeGel-free

Jacket Color Yellow

Jacket Marking Feet

Subunit, quantity 6

Fibers per Subunit, quantity 12

Total Fiber Count 72

Dimensions

Buffer Tube/Subunit Diameter 3 mm | 0.118 in

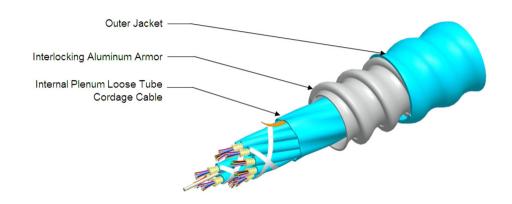
Diameter Over Armor 17.15 mm | 0.675 in

Diameter Over Jacket 19.2 mm | 0.756 in

Representative Image



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Mechanical Specifications

Tensile Load, long term, maximum

Minimum Bend Radius, loaded 288 mm | 11.339 in

Minimum Bend Radius, unloaded 192 mm | 7.559 in

Tensile Load, short term, maximum 1335 N | 300.12 lbf

Compression 85 N/mm | 485.363 lb/in

400 N | 89.924 lbf

Compression Test Method FOTP-41 | IEC 60794-1 E3

Flex 300 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

Impact 35 N-m | 309.776 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 132 m | 433.071 ft

Optical Specifications

Fiber Type G.657.A2 | G.657.A2/B2

Environmental Specifications

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

COMMSCOPE®

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

Storage Temperature $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ ($-40 \,^{\circ}\text{F}$ to $+158 \,^{\circ}\text{F}$)

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

Environmental Space Plenum

Flame Test Listing

NEC OFCP (ETL) and c(ETL)

Flame Test Method

NFPA 130 | 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 308 kg/km | 206.966 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

ROHS Compliant UK-ROHS Compliant



Included Products

CS-8G1-MP – Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T

G.657.A2, B2)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

