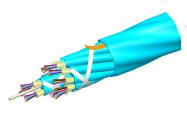
760154351 | P-048-MP-6F-F120R



Fiber indoor cable, OptiSPEED® Plenum MPO Trunk, 48 fiber multi-unit with 12 fiber subunits, Multimode OM1, Gel-free, Feet jacket marking, Orange 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-MP |
| General Specifications | |
| Cable Type | MPO trunk cable |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Orange |
| Jacket Marking | Feet |
| Subunit, quantity | 4 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 48 |
| Dimensions | |
| Buffer Tube/Subunit Diameter | 3 mm 0.118 in |
| Diameter Over Jacket | 9.1 mm 0.358 in |
| | |

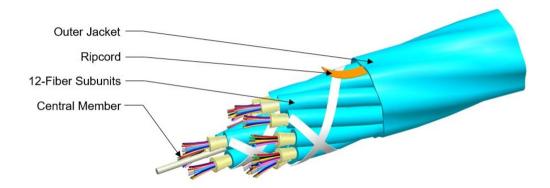
Representative Image

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Mechanical Specifications

| Minimum Bend Radius, loaded | 136 mm 5.354 in |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, unloaded | 91 mm 3.583 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 | 500 m 1,640.42 ft |
| Optical Specifications | |
| Fiber Type | OM1, OptiSPEED® OM1, OptiSPEED® |

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) |

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| 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 | 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

76 kg/km | 51.07 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-6F-MP – OptiSPEED® OM1 Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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