

P-144-MP-8F-F12

Fiber Indoor Cable, Plenum MPO Trunk, 144 fiber multi-unit with 12 fiber subunits, Singlemode, G.657.A1, Gel-free, Feet jacket marking

Product Classification

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|------------------------------|--|
| 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

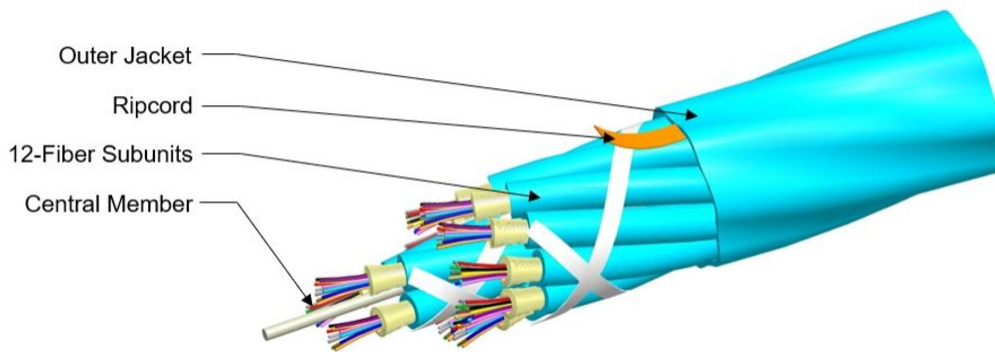
| | |
|-------------------------------------|-----------------|
| Cable Type | MPO trunk cable |
| Construction Type | Non-armored |
| Fiber Type, quantity | 144 |
| Fibers per Subunit, quantity | 12 |
| Jacket Marking | Feet |
| Subunit Type | Gel-free |
| Subunit, quantity | 12 |
| Total Fiber Count | 144 |

Dimensions

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|-------------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 3 mm 0.118 in |
| Diameter Over Jacket | 14.12 mm 0.556 in |

Representative Image

P-144-MP-8F-F12



Mechanical Specifications

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|--|---------------------------------------|
| Minimum Bend Radius, loaded | 197 mm 7.756 in |
| Minimum Bend Radius, unloaded | 131 mm 5.157 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 | 250 m 820.21 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

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|---------------------|----------------------------|
| Cable weight | 163 kg/km 109.531 lb/kft |
|---------------------|----------------------------|

Regulatory Compliance/Certifications

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



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable