P-024-DZ-8W-FSU



Fiber Indoor cable, TeraSPEED® Plenum Distribution, interlocking aluminum armored with plenum jacket, 24 fiber single-unit, Gel-free, Singlemode G.652.D and G.657.A1, 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-DZ |
| General Specifications | |
| Armor Type | Interlocking aluminum |
| Cable Type | Distribution |
| Construction Type | Armored |
| Subunit Type | Gel-free |
| Jacket Marking | Feet |
| Total Fiber Count | 24 |
| Dimensions | |
| Diameter Over Armor | 13.34 mm 0.525 in |
| Diameter Over Jacket | 17.4 mm 0.685 in |

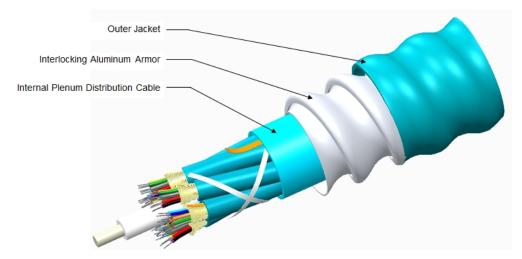
Representative Image

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Mechanical Specifications

| Minimum Bend Radius, loaded | 348 mm 13.701 in |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, unloaded | 244 mm 9.606 in |
| Tensile Load, long term, maximum | 400 N 89.924 lbf |
| Tensile Load, short term, maximum | 1335 N 300.12 lbf |
| Compression | 85 N/mm 485.363 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 25 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 | 133 m 436.352 ft |
| Optical Specifications | |

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Fiber Type

G.652.D and G.657.A1, TeraSPEED®

Environmental Specifications

Installation temperature

0 °C to +70 °C (+32 °F to +158 °F)

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| 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 OFCP (ETL) and c(ETL) |
| Flame Test Method | 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

307 kg/km | 206.294 lb/kft

Regulatory Compliance/Certifications

Agency

Classification

ISO 9001:2015

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



Included Products

CS-8W-TB – TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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