

R-144-DZ-8F-FMU

Fiber indoor cable, Riser Distribution, interlocking aluminum armored with riser jacket, 144 fiber multi-unit with 12 fiber subunits, Singlemode G.657.A1, 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 | R-DZ |

General Specifications

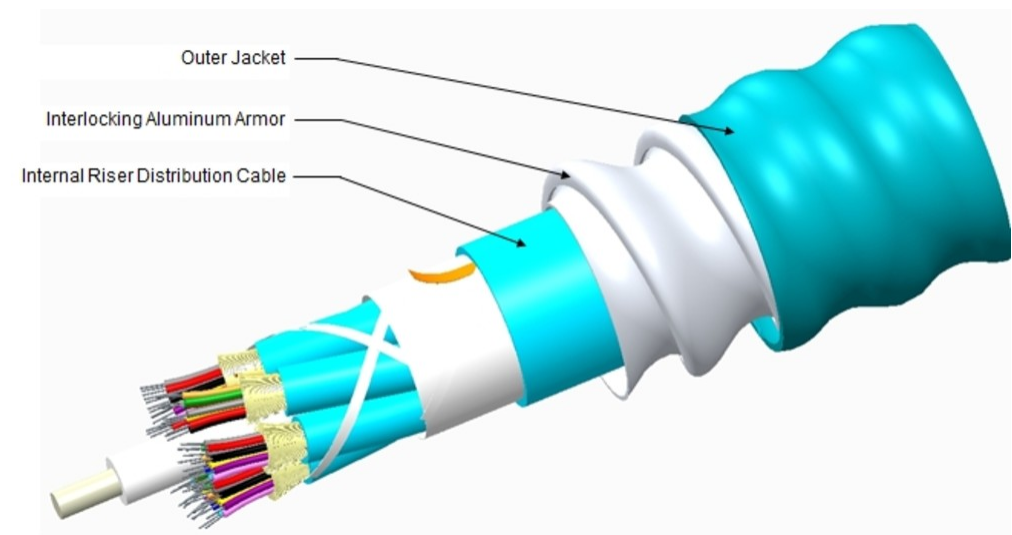
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|------------------------------|-----------------------|
| Armor Type | Interlocking aluminum |
| Cable Type | Distribution |
| Construction Type | Armored |
| Subunit Type | Gel-free |
| Jacket Marking | Feet |
| Subunit, quantity | 12 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 144 |

Dimensions

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|------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 5.95 mm 0.234 in |
| Diameter Over Armor | 32.39 mm 1.275 in |
| Diameter Over Jacket | 34.4 mm 1.354 in |

Representative Image

R-144-DZ-8F-FMU



Mechanical Specifications

| | |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 688 mm 27.087 in |
| Minimum Bend Radius, unloaded | 482 mm 18.976 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 | 49 m 160.761 ft |

Environmental Specifications

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|--------------------------|-------------------------------------|
| Installation temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Operating Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |

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| | |
|-------------------------------|---------------------------------------|
| 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 | Riser |
| Flame Test Listing | NEC OFCR (ETL) and c(ETL) |
| Flame Test Method | UL 1666 |

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

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|--------------|----------------------------|
| Cable weight | 830 kg/km 557.734 lb/kft |
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Regulatory Compliance/Certifications

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

Included Products

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| CS-8F-TB | – Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber |
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* Footnotes

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| Operating Temperature | Specification applicable to non-terminated bulk fiber cable |
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