

R-036-DS-8F-FMU

Fiber indoor cable, Riser Distribution, 36 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-DS |

General Specifications

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|-------------------------------------|--------------|
| Cable Type | Distribution |
| Construction Type | Non-armored |
| Fiber Type, quantity | 36 |
| Fibers per Subunit, quantity | 12 |
| Jacket Marking | Feet |
| Subunit Type | Gel-free |
| Subunit, quantity | 3 |
| Total Fiber Count | 36 |

Dimensions

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|-------------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 5.95 mm 0.234 in |
| Diameter Over Jacket | 14.45 mm 0.569 in |

Representative Image

R-036-DS-8F-FMU



Mechanical Specifications

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|--|---------------------------------------|
| Minimum Bend Radius, loaded | 217 mm 8.543 in |
| Minimum Bend Radius, unloaded | 145 mm 5.709 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 | 100 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 5.88 N-m 52.042 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 | 244 m 800.525 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) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | ANSI/ICEA S-83-596 Telcordia GR-409 |

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|----------------------------|---------------------------|
| Environmental Space | Riser |
| Flame Test Listing | NEC OFNR (ETL) and c(ETL) |
| Flame Test Method | UL 1666 |

Environmental Test Specifications

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|--------------------------------------|-------------------------------------|
| 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 | 167 kg/km 112.219 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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