



Fiber indoor cable, OptiSPEED® 2.9 mm Low Smoke Zero Halogen Riser Simplex, 1 fiber, Multimode OM1, Feet jacket marking, Orange jacket color

Product Classification

| | |
|------------------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Portfolio | CommScope® |
| Product Type | Fiber indoor cable |
| Product Series | N-SP |

General Specifications

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|--------------------------|-------------|
| Cable Type | Cordage |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Orange |
| Jacket Marking | Feet |
| Total Fiber Count | 1 |

Dimensions

| | |
|-----------------------------|-------------------|
| Diameter Over Jacket | 2.9 mm 0.114 in |
|-----------------------------|-------------------|

Representative Image



Mechanical Specifications

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|--|---------------------------------------|
| Minimum Bend Radius, loaded | 44 mm 1.732 in |
| Minimum Bend Radius, unloaded | 23 mm 0.906 in |
| Tensile Load, long term, maximum | 80 N 17.985 lbf |
| Tensile Load, short term, maximum | 267 N 60.024 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

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|-------------------|-----------------------------------|
| Fiber Type | OM1, OptiSPEED® OM1, OptiSPEED® |
|-------------------|-----------------------------------|

Environmental Specifications

700010036 | N-001-SP-6F-F290R

| | |
|--------------------------------------|---|
| Installation temperature | -20 °C to +60 °C (-4 °F to +140 °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 |
| Environmental Space | Low Smoke Zero Halogen (LSZH) Riser |
| Flame Test Listing | NEC OFNR-ST1 (ETL) and c(ETL) |
| Flame Test Method | IEC 60332-3 IEC 60754-2 IEC 61034-2 UL 1666 UL 1685 |

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 | 9 kg/km 6.048 lb/kft |
|---------------------|------------------------|

Regulatory Compliance/Certifications

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

Included Products

CS-6F-TB – OptiSPEED® OM1 Multimode
Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable