



OptiSPEED® Plenum Distribution Cable, 12 fiber single-unit

Product Classification

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

Standards And Qualifications

| | |
|--------------------------------------|---------------------------------------|
| Cable Qualification Standards | ANSI/ICEA S-83-596 Telcordia GR-409 |
|--------------------------------------|---------------------------------------|

Representative Image



General Specifications

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|--------------------------|--------------|
| Cable Type | Distribution |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |

Construction Materials

| | |
|----------------------------|-----------------|
| Fiber Type Solution | OM1, OptiSPEED® |
| Total Fiber Count | 12 |

| | |
|-----------------------------|-----------------|
| Fiber Type | OM1, OptiSPEED® |
| Fiber Type, quantity | 12 |
| Jacket Color | Orange |

Dimensions

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|-----------------------------|--------------------------|
| Cable Weight | 21.0 lb/kft 31.0 kg/km |
| Diameter Over Jacket | 5.77 mm 0.23 in |

Physical Specifications

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|--|---------------------|
| Minimum Bend Radius, loaded | 8.6 cm 3.4 in |
| Minimum Bend Radius, unloaded | 5.8 cm 2.3 in |
| Tensile Load, long term, maximum | 45 lbf 200 N |
| Tensile Load, short term, maximum | 150 lbf 667 N |
| Vertical Rise, maximum | 500.0 m 1640.4 ft |

Flame Test Specifications

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|---------------------------|---------------------------|
| Flame Test Listing | NEC OFNP (ETL) and c(ETL) |
| Flame Test Method | NFPA 262 |

Environmental Specifications

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|---------------------------------|--------------------------------------|
| Environmental Space | Plenum |
| Installation Temperature | 0 °C to +70 °C (+32 °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) |

Mechanical Test Specifications

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|--------------------------------|---------------------------------------|
| Compression | 10 N/mm 57 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 100 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 4.34 ft lb 5.88 N-m |
| 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 |

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 |

Regulatory Compliance/Certifications

| Agency | Classification |
|-----------------|--|
| RoHS 2011/65/EU | Compliant |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



Included Products

CS-6F-TB (Product Component—not orderable) — OptiSPEED® OM1 Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable