



OptiSPEED® Riser Distribution Cable, interlocking aluminum armored with riser jacket, 2 fiber single-unit

OBSOLETE

This product was discontinued on: March 30, 2017

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 Color | Orange |
| Jacket Marking | Feet |
| Total Fiber Count | 2 |

Dimensions

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| Diameter Over Armor | 10.8 mm 0.425 in |
| Diameter Over Jacket | 12.8 mm 0.504 in |

Representative Image



Mechanical Specifications

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|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 257 mm 10.118 in |
| Minimum Bend Radius, unloaded | 180 mm 7.087 in |
| Tensile Load, long term, maximum | 200 N 44.962 lbf |
| Tensile Load, short term, maximum | 667 N 149.948 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 | 162 m 531.496 ft |

Optical Specifications

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|------------|-----------------------------------|
| Fiber Type | OM1, OptiSPEED® OM1, OptiSPEED® |
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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 |
| Environmental Space | Riser |
| Flame Test Listing | NEC OFCR (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 | 126 kg/km 84.668 lb/kft |
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Regulatory Compliance/Certifications

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

* Footnotes

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