



Fiber indoor/outdoor cable, TeraSPEED® Riser Rated, 192 fiber, Singlemode G.652.D and G.657.A1, Gel-Free, Stranded Loose Tube with Aluminum Interlocking Armor containing a Riser Rated Outer Jacket, Black jacket color, Feet cable 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/outdoor cable |
| Product Series | R-LZ |

General Specifications

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|-------------------------------------|-----------------------|
| Armor Type | Interlocking aluminum |
| Cable Type | Stranded loose tube |
| Construction Type | Armored |
| Subunit Type | Gel-free |
| Filler, quantity | 2 |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Subunit, quantity | 16 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 192 |

Dimensions

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|-------------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2.5 mm 0.098 in |
| Diameter Over Armor | 23.5 mm 0.925 in |
| Diameter Over Jacket | 25.5 mm 1.004 in |

Representative Image



Mechanical Specifications

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|------------------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 511 mm 20.118 in |
| Minimum Bend Radius, unloaded | 357 mm 14.055 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 | 86 m 282.152 ft |

Optical Specifications

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|-------------------|----------------------------------------------|
| Fiber Type | G.652.D and G.657.A1, TeraSPEED® OS2 OS2 |
|-------------------|----------------------------------------------|

Environmental Specifications

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|---------------------------------|--------------------------------------|
| Installation temperature | -10 °C to +60 °C (+14 °F to +140 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |

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| | |
|--------------------------------------|----------------------------------------------------|
| Storage Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
| Cable Qualification Standards | ANSI/ICEA S-104-696 EN 187105 Telcordia GR-409 |
| Environmental Space | Riser |
| Flame Test Listing | NEC OFCR (ETL) and c(ETL) |
| Flame Test Method | UL 1666 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | FOTP-82 IEC 60794-1 F5 |

Environmental Test Specifications

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|--------------------------------------|--------------------------------------|
| Cable Freeze | -2 °C 28.4 °F |
| Cable Freeze Test Method | FOTP-98 IEC 60794-1 F15 |
| Heat Age | -40 °C to +85 °C (-40 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -30 °C to +60 °C (-22 °F to +140 °F) |
| Low High Bend Test Method | FOTP-37 IEC 60794-1 E11 |
| Temperature Cycle | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3 IEC 60794-1 F1 |

Packaging and Weights

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|---------------------|----------------------------|
| Cable weight | 477 kg/km 320.529 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-8W-LT | - TeraSPEED® G652D/G657A1 Singlemode Fiber |
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable