



Fiber indoor/outdoor cable, TeraSPEED® Plenum Distribution, 96 fiber multi-unit with 12 fiber subunits, Singlemode G.652.D and G.657.A1, Gel-free, Feet jacket marking, Black jacket color

Product Classification

| | |
|------------------------------|--|
| Regional Availability | Asia Australia/New Zealand Latin America Middle East /Africa North America |
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | P-OD |

General Specifications

| | |
|-------------------------------------|--------------|
| Cable Type | Distribution |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Subunit, quantity | 8 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 96 |

Dimensions

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|-------------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 6.9 mm 0.272 in |
| Diameter Over Jacket | 28.2 mm 1.11 in |

Representative Image

760037937 | P-096-OD-8W-FMUBK



Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 423 mm 16.654 in |
| Minimum Bend Radius, unloaded | 282 mm 11.102 in |
| Tensile Load, long term, maximum | 1335 N 300.12 lbf |
| Tensile Load, short term, maximum | 4450 N 1,000.4 lbf |
| Compression | 22 N/mm 125.623 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 | 169 m 554.462 ft |

Optical Specifications

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

Environmental Specifications

| | |
|---------------------------------|--------------------------------------|
| Installation temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |

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|--------------------------------------|--|
| Cable Qualification Standards | ANSI/ICEA S-104-696 Telcordia GR-20 (water penetration) Telcordia GR-409 |
| Environmental Space | Plenum |
| Flame Test Listing | NEC OFNP (ETL) and c(ETL) |
| Flame Test Method | NFPA 130 NFPA 262 |
| 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 Test Method | 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 | -40 °C to +70 °C (-40 °F to +158 °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 | 806 kg/km 541.607 lb/kft |
|---------------------|----------------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



Included Products

CS-8W-TB – TeraSPEED® Singlemode Fiber

* Footnotes

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Operating Temperature Specification applicable to non-terminated bulk fiber cable