



Fiber indoor/outdoor cable, TeraSPEED® Plenum Distribution, interlocking aluminum armored with plenum jacket, Multimode /Singlemode, 24 fiber single-unit, Black jacket color, Feet cable marking

## Product Classification

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

## General Specifications

|                              |                       |
|------------------------------|-----------------------|
| <b>Armor Type</b>            | Interlocking aluminum |
| <b>Cable Type</b>            | Distribution          |
| <b>Construction Type</b>     | Armored               |
| <b>Jacket Color</b>          | Black                 |
| <b>Jacket Marking</b>        | Feet                  |
| <b>Composite Fiber Count</b> | 12 + 12               |
| <b>Total Fiber Count</b>     | 24                    |

## Dimensions

|                             |                     |
|-----------------------------|---------------------|
| <b>Diameter Over Armor</b>  | 13.34 mm   0.525 in |
| <b>Diameter Over Jacket</b> | 15.4 mm   0.606 in  |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 231 mm   9.094 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 154 mm   6.063 in                     |
| <b>Tensile Load, long term, maximum</b>  | 400 N   89.924 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 1335 N   300.12 lbf                   |
| <b>Compression</b>                       | 85 N/mm   485.363 lb/in               |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 25 cycles                             |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 35 N-m   309.776 in lb                |
| <b>Impact Test Method</b>                | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                             | 10 cycles                             |
| <b>Twist Test Method</b>                 | FOTP-85   IEC 60794-1 E7              |
| <b>Vertical Rise, maximum</b>            | 187 m   613.517 ft                    |

## Optical Specifications

|                   |  |
|-------------------|--|
| <b>Fiber Type</b> | Composite MM/SM   G.652.D and G.657.A1, TeraSPEED®   OM3, LazrSPEED® 300 |
|-------------------|--|

## Environmental Specifications

# 760190793 | P-024-OZ-CM-FSUBK/8W012/5L012

|                                      |   |
|--------------------------------------|---|
| <b>Installation temperature</b>      | -30 °C to +70 °C (-22 °F to +158 °F)  |
| <b>Operating Temperature</b>         | -25 °C to +70 °C (-13 °F to +158 °F)  |
| <b>Storage Temperature</b>           | -40 °C to +75 °C (-40 °F to +167 °F)  |
| <b>Cable Qualification Standards</b> | ANSI/ICEA S-104-696   Telcordia GR-20 (water penetration for internal cable)   Telcordia GR-409 |
| <b>Environmental Space</b>           | Plenum  |
| <b>Flame Test Listing</b>            | NEC OFCP (ETL) and c(ETL)   |
| <b>Flame Test Method</b>             | NFPA 130   NFPA 262   |
| <b>Jacket UV Resistance</b>          | UV stabilized   |
| <b>Water Penetration</b>             | 24 h  |
| <b>Water Penetration Test Method</b> | FOTP-82   IEC 60794-1 F5  |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Cable Freeze Test Method</b>      | IEC 60794-1 F15                      |
| <b>Heat Age</b>                      | -40 °C to +85 °C (-40 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                       |
| <b>Low High Bend</b>                 | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11            |
| <b>Temperature Cycle</b>             | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1              |

## Packaging and Weights

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 218 kg/km   146.489 lb/kft |
|---------------------|----------------------------|

## Regulatory Compliance/Certifications

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

## Included Products

|          |   |
|----------|---|
| CS-5L-TB | - LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber |
| CS-8W-TB | - TeraSPEED® Singlemode Fiber                         |

## \* Footnotes

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