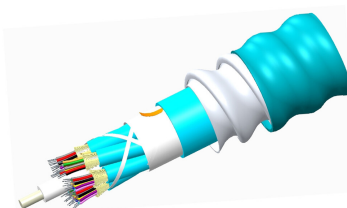


# P-002-DZ-8W-FSU



Fiber Indoor cable, TeraSPEED® Plenum Distribution, interlocking aluminum armored with plenum jacket, 2 fiber single-unit, Gel-free, Singlemode G.652.D and G.657.A1, Feet jacket marking

## Product Classification

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

## General Specifications

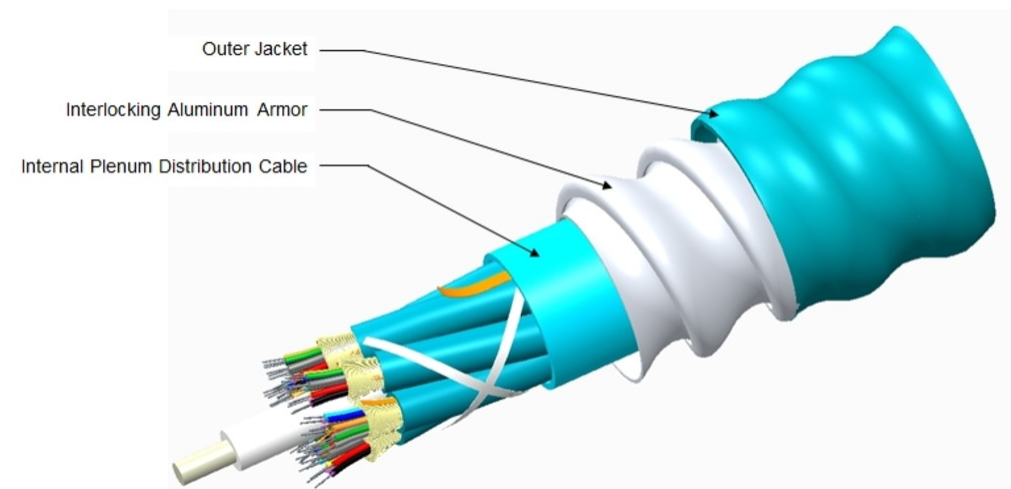
|                   |                       |
|-------------------|-----------------------|
| Armor Type        | Interlocking aluminum |
| Cable Type        | Distribution          |
| Construction Type | Armored               |
| Subunit Type      | Gel-free              |
| Jacket Marking    | Feet                  |
| Total Fiber Count | 2                     |

## Dimensions

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

## Representative Image

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## Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| 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            | 154 m   505.249 ft                    |

## Optical Specifications

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

## Environmental Specifications

|                          |                                    |
|--------------------------|------------------------------------|
| Installation temperature | 0 °C to +70 °C (+32 °F to +158 °F) |
|--------------------------|------------------------------------|

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

## Environmental Test Specifications

|                               |                                     |
|-------------------------------|-------------------------------------|
| 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

|              |                           |
|--------------|---------------------------|
| Cable weight | 133 kg/km   89.372 lb/kft |
|--------------|---------------------------|

## Regulatory Compliance/Certifications

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

## Included Products

CS-8W-TB – TeraSPEED® Singlemode Fiber

## \* Footnotes

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