

TeraSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 6 fiber single-unit

## Product Classification

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

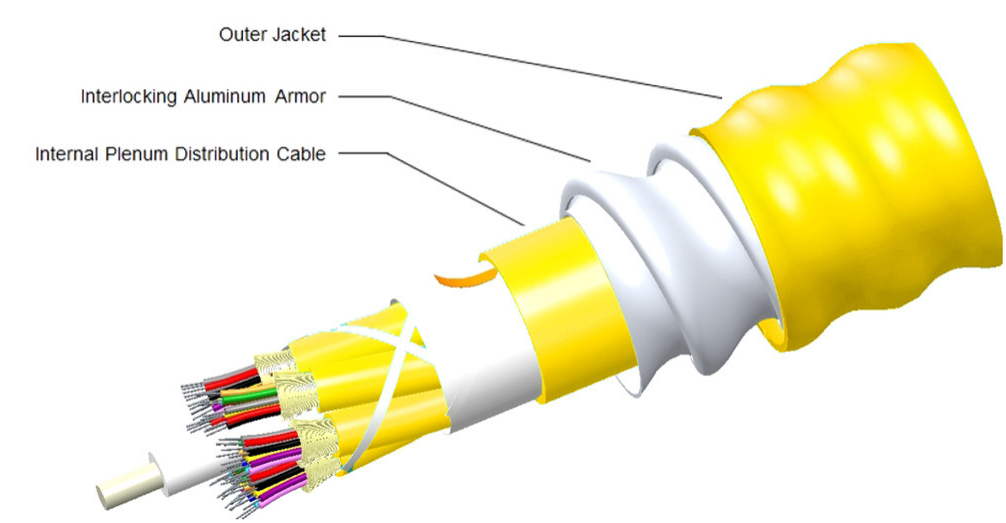
## General Specifications

|                      |                       |
|----------------------|-----------------------|
| Armor Type           | Interlocking aluminum |
| Cable Type           | Distribution          |
| Construction Type    | Armored               |
| Fiber Type, quantity | 6                     |
| Jacket Color         | Yellow                |
| Subunit Type         | Gel-free              |
| Total Fiber Count    | 6                     |

## Dimensions

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

## Representative Image



## Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 192 mm   7.559 in                     |
| Minimum Bend Radius, unloaded     | 128 mm   5.039 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            | 144 m   472.441 ft                    |

## Optical Specifications

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

## Environmental Specifications

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Installation temperature</b>      | 0 °C to +70 °C (+32 °F to +158 °F)    |
| <b>Operating Temperature</b>         | -20 °C to +70 °C (-4 °F to +158 °F)   |
| <b>Storage Temperature</b>           | -40 °C to +70 °C (-40 °F to +158 °F)  |
| <b>Cable Qualification Standards</b> | ANSI/ICEA S-83-596   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                   |

## Environmental Test Specifications

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Heat Age</b>                      | -20 °C to +85 °C (-4 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                      |
| <b>Low High Bend</b>                 | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11           |
| <b>Temperature Cycle</b>             | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1             |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 142 kg/km   95.42 lb/kft |
|---------------------|--------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>                                                                                                          |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system                                                 |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant                                                                                                                      |



## Included Products

CS-8W-TB – TeraSPEED® Singlemode Fiber

## \* Footnotes

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