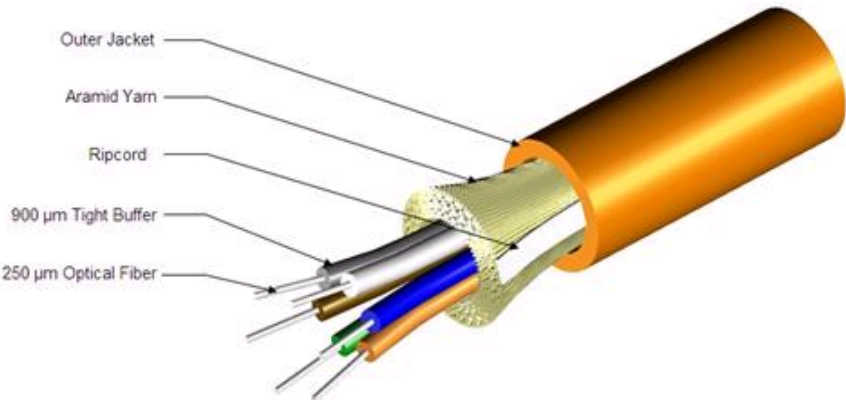


760132423 | P-012-DS-8W-FSUBK  
Plenum Distribution Cable, 12 fiber single-unit

## Representative Image



## General Specifications

|                   |              |
|-------------------|--------------|
| Cable Type        | Distribution |
| Construction Type | Non-armored  |
| Subunit Type      | Gel-free     |

## Construction Materials

|                      |                                              |
|----------------------|----------------------------------------------|
| Fiber Type Solution  | TeraSPEED®, zero water peak singlemode fiber |
| Total Fiber Quantity | 12                                           |
| Fiber Type           | TeraSPEED®, zero water peak singlemode fiber |
| Fiber Type, quantity | 12                                           |
| Jacket Color         | Black                                        |

## Dimensions

|                      |                          |
|----------------------|--------------------------|
| Cable Weight         | 21.0 lb/kft   31.0 kg/km |
| Diameter Over Jacket | 5.90 mm   0.23 in        |

## Physical Specifications

|                                   |                  |
|-----------------------------------|------------------|
| Minimum Bend Radius, loaded       | 8.8 cm   3.5 in  |
| Minimum Bend Radius, unloaded     | 5.9 cm   2.3 in  |
| Tensile Load, long term, maximum  | 400 N   90 lbf   |
| Tensile Load, short term, maximum | 1335 N   300 lbf |

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Vertical Rise, maximum 500.0 m | 1640.4 ft

## Flame Test Specifications

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

## Environmental Specifications

|                          |                                      |
|--------------------------|--------------------------------------|
| Environmental Space      | Plenum                               |
| Installation Temperature | 0 °C to +70 °C (+32 °F to +158 °F)   |
| Operating Temperature    | -20 °C to +70 °C (-4 °F to +158 °F)  |
| Storage Temperature      | -40 °C to +70 °C (-40 °F to +158 °F) |

## Mechanical Test Specifications

|                         |                                       |
|-------------------------|---------------------------------------|
| Compression             | 10 N/mm   57 lb/in                    |
| Compression Test Method | FOTP-41   IEC 60794-1-2, Section 7    |
| Flex                    | 100 cycles                            |
| Flex Test Method        | FOTP-104   IEC 60794-1-2, Section 10  |
| Impact                  | 4.34 ft lb   5.88 N-m                 |
| Impact Test Method      | FOTP-25   IEC 60794-1-2, Section 8    |
| Strain                  | See long and short term tensile loads |
| Strain Test Method      | FOTP-33   IEC 60794-1-2, Section 5    |
| Twist                   | 10 cycles                             |
| Twist Test Method       | FOTP-85   IEC 60794-1-2, Section 11   |

## Environmental Test Specifications

|                               |                                     |
|-------------------------------|-------------------------------------|
| Heat Age                      | -20 °C to +85 °C (-4 °F to +185 °F) |
| Heat Age Test Method          | Not applicable                      |
| Low High Bend                 | -20 °C to +70 °C (-4 °F to +158 °F) |
| Low High Bend Test Method     | FOTP-28   IEC 60794-1-2, Section 28 |
| Temperature Cycle             | -20 °C to +70 °C (-4 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1-2, Section 22  |

## Qualification Specifications

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| Cable Qualification Standards | ANSI/ICEA S-83-596-2001   Telcordia GR-409-CORE Issue 2 |
|-------------------------------|---------------------------------------------------------|

## Regulatory Compliance/Certifications

| Agency          | Classification                                                                 |
|-----------------|--------------------------------------------------------------------------------|
| RoHS 2002/95/EC | Compliant                                                                      |
| ISO 9001:2008   | Designed, manufactured and/or distributed under this quality management system |



## Included Products

CS-8W-TB (Product Component—not orderable) — TeraSPEED® Singlemode Fiber