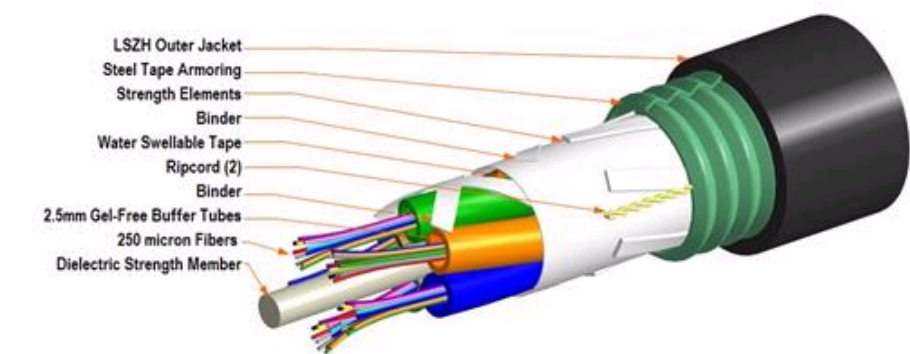




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Indoor/Outdoor Low Smoke Zero Halogen Single Jacket Single Armor Stranded Loose Tube Arid Core® Cable

Representative Image



General Specifications

|                   |                     |
|-------------------|---------------------|
| Cable Type        | Stranded loose tube |
| Construction Type | Armored             |
| Subunit Type      | Gel-free            |

Construction Materials

|                              |                                              |
|------------------------------|----------------------------------------------|
| Fiber Type Solution          | TeraSPEED®, zero water peak singlemode fiber |
| Total Fiber Quantity         | 12                                           |
| Aarmor Type                  | Corrugated steel                             |
| Fiber Type                   | TeraSPEED®, zero water peak singlemode fiber |
| Fiber Type, quantity         | 12                                           |
| Fibers Per Subunit, quantity | 12                                           |
| Jacket Color                 | Black                                        |
| Jacket UV Resistance         | UV stabilized                                |

Dimensions

|                              |                            |
|------------------------------|----------------------------|
| Buffer Tube/Subunit Diameter | 2.50 mm   0.10 in          |
| Cable Weight                 | 183.0 kg/km   123.0 lb/kft |
| Diameter Over Jacket         | 13.00 mm   0.51 in         |
| Filler, quantity             | 4                          |
| Subunit, quantity            | 1                          |

Physical Specifications

|                               |                  |
|-------------------------------|------------------|
| Minimum Bend Radius, loaded   | 19.5 cm   7.7 in |
| Minimum Bend Radius, unloaded | 13.0 cm   5.1 in |

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Tensile Load, long term, maximum 180 lbf | 800 N  
Tensile Load, short term, maximum 2700 N | 607 lbf  
Vertical Rise, maximum 447.0 m | 1466.5 ft

## Flame Test Specifications

|                    |                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------|
| Flame Test Listing | NEC OFC-LS (ETL) and c(ETL)                                                                  |
| Flame Test Method  | CSA FT4   IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 1202   IEEE 383   NES 713   UL 1685 |

## Environmental Specifications

|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| Environmental Space      | Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)   Riser |
| 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)                            |

## Mechanical Test Specifications

|                               |                                       |
|-------------------------------|---------------------------------------|
| Compression                   | 250 lb/in   44 N/mm                   |
| Compression Test Method       | FOTP-41   IEC 60794-1-2, Section 7    |
| Flex                          | 35 cycles                             |
| Flex Test Method              | FOTP-24   IEC 60794-1-2, Section 10   |
| Impact                        | 2.21 ft lb   3.00 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   |
| Water Penetration             | 24 h                                  |
| Water Penetration Test Method | FOTP-82   IEC 60794-1-2, Section 24   |

## Environmental Test Specifications

|                               |                                      |
|-------------------------------|--------------------------------------|
| Cable Freeze                  | -2 °C   28 °F                        |
| Cable Freeze Test Method      | FOTP-98                              |
| Drip                          | 70 °C   158 °F                       |
| Drip Test Method              | FOTP-81   IEC 60794-1-2, Section 17  |
| Heat Age                      | -40 °C to +85 °C (-40 °F to +185 °F) |
| Heat Age Test Method          | Not applicable                       |
| Low High Bend                 | -30 °C to +60 °C (-22 °F to +140 °F) |
| Low High Bend Test Method     | FOTP-28   IEC 60794-1-2, Section 28  |
| Temperature Cycle             | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1-2, Section 22   |

## Qualification Specifications

|                               |                                                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------|
| Cable Qualification Standards | ANSI/ICEA S-104-696-2001   EN 187105   Telcordia GR -20-CORE Issue 3   Telcordia GR-409-CORE Issue 2 |
|-------------------------------|------------------------------------------------------------------------------------------------------|

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## Regulatory Compliance/Certifications

### Agency

RoHS 2002/95/EC  
ISO 9001:2008

### Classification

Compliant  
Designed, manufactured and/or distributed under this quality management system



## Included Products

CS-8W-IOLT (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber