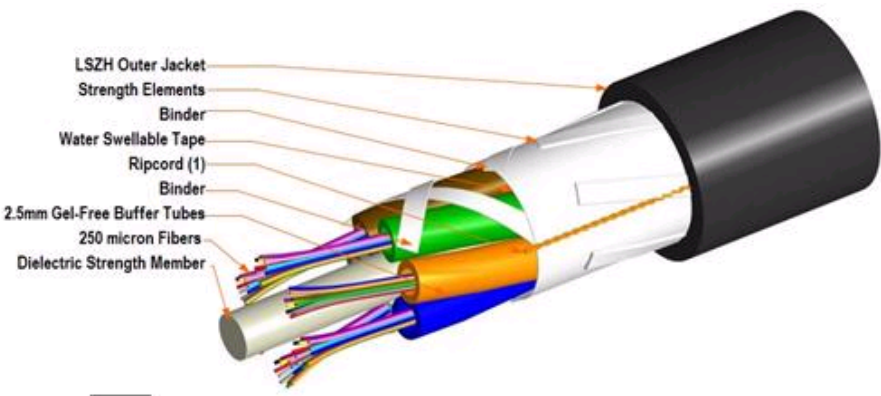


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Indoor/Outdoor Low Smoke Zero Halogen Single Jacket All-Dielectric Stranded Loose Tube Arid Core® Cable

Representative Image



General Specifications

|                   |                     |
|-------------------|---------------------|
| Cable Type        | Stranded loose tube |
| Construction Type | Non-armored         |
| Subunit Type      | Gel-free            |

Construction Materials

|                              |                                              |
|------------------------------|----------------------------------------------|
| Fiber Type Solution          | TeraSPEED®, zero water peak singlemode fiber |
| Total Fiber Quantity         | 72                                           |
| Fiber Type                   | TeraSPEED®, zero water peak singlemode fiber |
| Fiber Type, quantity         | 72                                           |
| 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                 | 89.0 lb/kft   133.0 kg/km |
| Diameter Over Jacket         | 12.00 mm   0.47 in        |
| Filler, quantity             | 0                         |
| Subunit, quantity            | 6                         |

Physical Specifications

|                             |                  |
|-----------------------------|------------------|
| Minimum Bend Radius, loaded | 18.1 cm   7.1 in |
|-----------------------------|------------------|

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|                                   |         |  |           |
|-----------------------------------|---------|--|-----------|
| Minimum Bend Radius, unloaded     | 12.0 cm |  | 4.7 in    |
| Tensile Load, long term, maximum  | 180 lbf |  | 800 N     |
| Tensile Load, short term, maximum | 2700 N  |  | 607 lbf   |
| Vertical Rise, maximum            | 616.0 m |  | 2021.0 ft |

## Flame Test Specifications

|                    |                             |             |                                                                      |
|--------------------|-----------------------------|-------------|----------------------------------------------------------------------|
| Flame Test Listing | NEC OFN-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                   | 125 lb/in                             |  | 22 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