

TeraSPEED® Indoor/Outdoor, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), Gel-Free, Stranded Loose Tube Cable

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Portfolio

CommScope®

Product Type

Fiber indoor/outdoor cable

General Specifications

Cable Type

Stranded loose tube

Construction Type

Non-armored

Fiber Type, quantity

12

Fibers per Subunit, quantity

12

Filler, quantity

4

Jacket Color

Black

Subunit Type

Gel-free

Subunit, quantity

1

Total Fiber Count

12

Dimensions

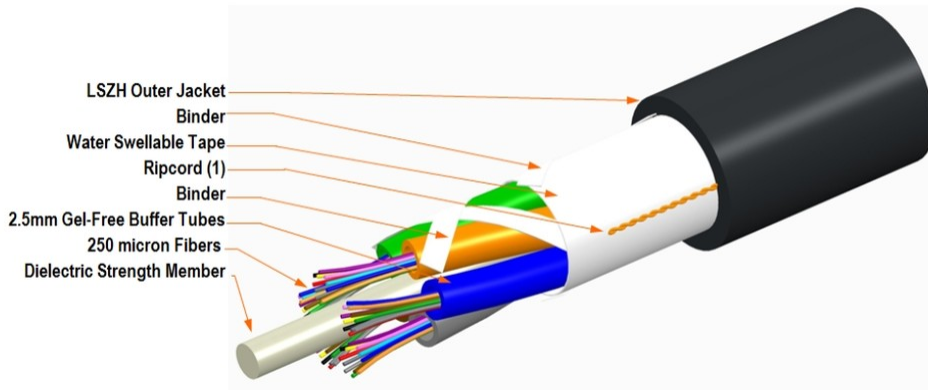
Buffer Tube/Subunit Diameter

2.5 mm | 0.098 in

Diameter Over Jacket

11.7 mm | 0.461 in

Representative Image



Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 175 mm 6.89 in |
| Minimum Bend Radius, unloaded | 117 mm 4.606 in |
| Tensile Load, long term, maximum | 800 N 179.847 lbf |
| Tensile Load, short term, maximum | 2700 N 606.984 lbf |
| Compression | 22 N/mm 125.623 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 35 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 3 N-m 26.552 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 | 654 m 2,145.669 ft |

Optical Specifications

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|-------------------|--|
| Fiber Type | G.652.D and G.657.A1 , TeraSPEED® G.652.D and G.657.A1, TeraSPEED® OS2 OS2 |
|-------------------|--|

Environmental Specifications

| | |
|---------------------------------|--------------------------------------|
| Installation temperature | -30 °C to +55 °C (-22 °F to +131 °F) |
| Operating Temperature | -40 °C to +60 °C (-40 °F to +140 °F) |

760242571 | C-012-LN-8W-M12BK/25D/B2

| | |
|---|--|
| Storage Temperature | -40 °C to +65 °C (-40 °F to +149 °F) |
| Cable Qualification Standards | ANSI/ICEA S-104-696 EN 187105 Telcordia GR-20 Telcordia GR-409 |
| EN50575 CPR Cable EuroClass Fire Performance | B2ca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1a |
| EN50575 CPR Cable EuroClass Droplets Rating | d0 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Aerial, lashed Buried Low Smoke Zero Halogen (LSZH) |
| Flame Test Method | IEC 60332-1 IEC 60754-2 IEC 61034-2 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | FOTP-82 IEC 60794-1 F5 |

Environmental Test Specifications

| | |
|--------------------------------------|--------------------------------------|
| Cable Freeze | -2 °C 28.4 °F |
| Cable Freeze Test Method | FOTP-98 IEC 60794-1 F15 |
| Heat Age | -40 °C to +85 °C (-40 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -30 °C to +55 °C (-22 °F to +131 °F) |
| Low High Bend Test Method | FOTP-37 IEC 60794-1 E11 |
| Temperature Cycle | -40 °C to +60 °C (-40 °F to +140 °F) |
| Temperature Cycle Test Method | FOTP-3 IEC 60794-1 F1 |

Packaging and Weights

| | |
|---------------------|---------------------------|
| Cable weight | 125 kg/km 83.996 lb/kft |
|---------------------|---------------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



Included Products

760242571 | C-012-LN-8W-M12BK/25D/B2

CS-8W-IOLT – TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable