

Fiber OSP cable, TeraSPEED® Mini Single Jacket All-Dielectric, High Tensile Strength, 48 fiber, Singlemode G.652.D and G.657.A1, Gel-Filled, Outdoor Stranded Loose Tube, Black jacket color, Meters cable marking, Provides Rodent Resistance

Product Classification

| | |
|------------------------------|-------------------------------------|
| Regional Availability | Asia Australia/New Zealand EMEA |
| Portfolio | CommScope® |
| Product Type | Fiber OSP cable |
| Product Series | O-LN |

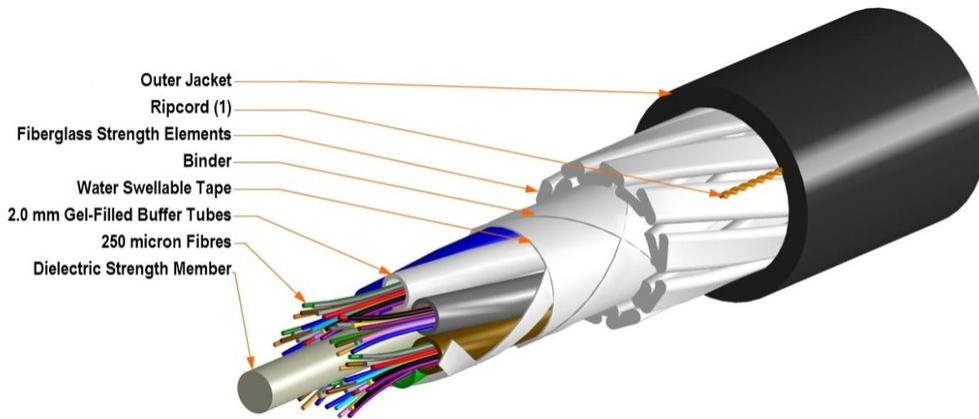
General Specifications

| | |
|-------------------------------------|---|
| Cable Type | Stranded loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Filler, quantity | 2 |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB OPTICAL CABLE 760244891 OS2 SM 48 MDPE [SERIAL NUMBER] [METRE MARK] |
| Subunit, quantity | 4 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 48 |

Dimensions

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|-------------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2 mm 0.079 in |
| Diameter Over Jacket | 11.6 mm 0.457 in |

Representative Image



Material Specifications

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, loaded 174 mm | 6.85 in
Minimum Bend Radius, unloaded 116 mm | 4.567 in
Tensile Load, long term, maximum 1350 N | 303.492 lbf
Tensile Load, short term, maximum 4500 N | 1,011.641 lbf
Compression 22 N/mm | 125.623 lb/in
Compression Test Method FOTP-41 | IEC 60794-1 E3
Flex 25 cycles
Flex Test Method FOTP-104 | IEC 60794-1 E6
Impact 2.94 N-m | 26.021 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 1345 m | 4,412.73 ft

Optical Specifications

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

Environmental Specifications

760244891 | O-048-LN-8W-M12NS/20G/HTS

| | |
|--------------------------------------|--|
| Installation temperature | -10 °C to +50 °C (+14 °F to +122 °F) |
| Operating Temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | ANSI/ICEA S-87-640 EN 187105 IEC 60794-1-2 |
| 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 |
| Drip | 70 °C 158 °F |
| Drip Test Method | FOTP-81 IEC 60794-1 E14 |
| Heat Age | 0 °C to +85 °C (+32 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -15 °C to +40 °C (+5 °F to +104 °F) |
| Low High Bend Test Method | FOTP-37 IEC 60794-1 E11 |
| Temperature Cycle | -30 °C to +60 °C (-22 °F to +140 °F) |
| Temperature Cycle Test Method | FOTP-3 IEC 60794-1 F1 |

Packaging and Weights

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|---------------------|---------------------------|
| Cable weight | 112 kg/km 75.261 lb/kft |
|---------------------|---------------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



Included Products

CS-8W-LT

- TeraSPEED® G652D/G657A1 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable