



Fiber indoor/outdoor cable, 12 Fiber, Single Jacket Armor, LSZH, Gel-Filled, Central Loose Tube, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

Product Classification

| | |
|------------------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | C-DA |

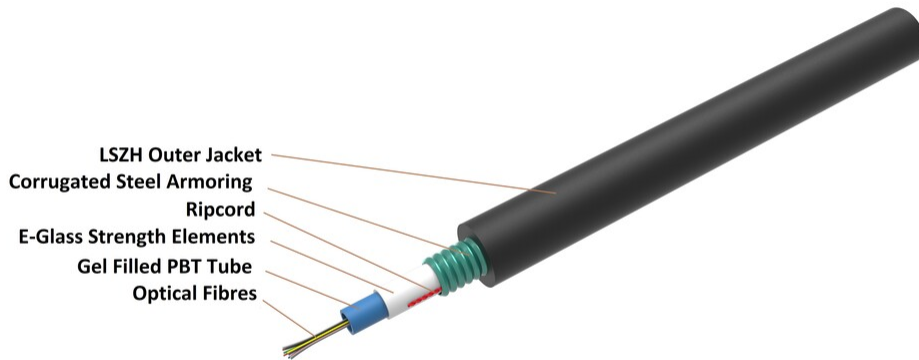
General Specifications

| | |
|-------------------------------------|--|
| Armor Type | Corrugated steel |
| Cable Type | Central loose tube |
| Construction Type | Armored |
| Subunit Type | Gel-filled |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB SYSTEM F.O.CABLE 810009868/DB CSA GEL LOOSE TUBE 12X9 /125 OS2 ULSZH (Serial NUMBER) (METRE MARK) |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 12 |

Dimensions

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|-------------------------------------|------------------|
| Buffer Tube/Subunit Diameter | 2.8 mm 0.11 in |
| Diameter Over Jacket | 10 mm 0.394 in |

Representative Image



Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 210 mm 8.268 in |
| Minimum Bend Radius, unloaded | 160 mm 6.299 in |
| Tensile Load, long term, maximum | 400 N 89.924 lbf |
| Tensile Load, short term, maximum | 1250 N 281.011 lbf |
| Compression | 30 N/mm 171.304 lb/in |
| Compression Test Method | IEC 60794-1 E3 |
| Impact | 5 N-m 44.254 in lb |
| Impact Test Method | IEC 60794-1 E4 |
| Strain | See long and short term tensile loads |
| Strain Test Method | IEC 60794-1 E1 |
| Twist | 5 cycles |
| Twist Test Method | IEC 60794-1 E7 |

Optical Specifications

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

Environmental Specifications

810009868/DB | C-012-DA-8W-M12BK/28G/GY

| | |
|--------------------------------------|---|
| Operating Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | EN 187105 IEC 60794-1-2 |
| Environmental Space | Aerial, lashed Buried Low Smoke Zero Halogen (LSZH) |
| Flame Test Method | IEC 60332-1 IEC 60754-1 IEC 60754-2 IEC 61034-2 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | IEC 60794-1 F5 |

Environmental Test Specifications

| | |
|--------------------------------------|-------------------------------------|
| Low High Bend Test Method | IEC 60794-1 E11 |
| Temperature Cycle | -20 °C to +70 °C (-4 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1 F1 |

Packaging and Weights

| | |
|---------------------|---------------------------|
| Cable weight | 135 kg/km 90.716 lb/kft |
|---------------------|---------------------------|

Included Products

CS-8W-250-EMEA – LightScope ZWP® Singlemode Fiber
250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable