



Fiber Indoor/Outdoor cable, TeraSPEED®, 120 min Fire Survival, Low Smoke Zero Halogen (LSZH), 4 fiber, Gel-Filled, Central Loose Tube, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color. Provides Rodent Resistance.

Product Classification

| | |
|-----------------------|-------------------------------------|
| Regional Availability | Asia Australia/New Zealand EMEA |
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | C-L2 |

General Specifications

| | |
|------------------------------|---|
| Armor Type | Corrugated steel |
| Cable Type | Loose tube |
| Subunit Type | Gel-filled |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMScope GB SYSTEM F.O. CABLE X-1716219-4 INT/EXT FIRE SURVIVAL 4 X 9/125 OS2 [Serial NUMBER] [METRE MARK] |
| Fibers per Subunit, quantity | 4 |
| Total Fiber Count | 4 |

Dimensions

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|------------------------------|------------------|
| Buffer Tube/Subunit Diameter | 4 mm 0.157 in |
| Diameter Over Jacket | 12.7 mm 0.5 in |

Mechanical Specifications

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|-----------------------------------|----------------------|
| Minimum Bend Radius, loaded | 330 mm 12.992 in |
| Minimum Bend Radius, unloaded | 255 mm 10.039 in |
| Tensile Load, long term, maximum | 400 N 89.924 lbf |
| Tensile Load, short term, maximum | 1400 N 314.733 lbf |

2-1716219-4 | C-004-L2-8W-M04BK/40G/GY/FS /B

| | |
|--------------------------------|---------------------------------------|
| Compression | 30 N/mm 171.304 lb/in |
| Compression Test Method | IEC 60794-1 E3 |
| Impact | 10 N-m 88.507 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

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|-------------------|--|
| Fiber Type | G.652.D and G.657.A1, TeraSPEED® OS2 |
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Optical Specifications, Wavelength Specific

| | |
|-----------------------------|-------------------|
| Standards Compliance | TIA-492CAAB (OS2) |
|-----------------------------|-------------------|

Environmental Specifications

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|---|---|
| Operating Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Storage Temperature | -33 °C to +40 °C (-27.4 °F to +104 °F) |
| Cable Qualification Standards | EN 187105 IEC 60794-1-2 |
| EN50575 CPR Cable EuroClass Fire Performance | B2ca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1b |
| EN50575 CPR Cable EuroClass Droplets Rating | d0 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Aerial, lashed Buried Universal Low Smoke Zero Halogen (ULSZH) |
| Flame Test Method | EN 50399 IEC 60331-25 (120) Fire resistance: 120 minutes at 750 °C (no fiber break) IEC 60332-1-2 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

216 kg/km | 145.145 lb/kft

Regulatory Compliance/Certifications

| Agency | Classification |
|------------|--|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable