



Fiber OSP cable, HDPE, 8-fiber, Singlemode, loose tube, gel-filled, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color, 1000 m. Provides Rodent Resistance

Product Classification

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

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 810009834/DB CSA GEL LOOSE TUBE 8X9 /125 OS2 HDPE (Serial NUMBER) (METRE MARK) |
| Fibers per Subunit, quantity | 8 |
| Total Fiber Count | 8 |

Dimensions

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|-----------------------------|----------------------|
| Cable Length | 1000 m 3,280.84 ft |
| Diameter Over Jacket | 10 mm 0.394 in |

Material Specifications

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|------------------------|----------------------------------|
| Jacket Material | High density polyethylene (HDPE) |
|------------------------|----------------------------------|

Mechanical Specifications

810009834/DB | O-008-CA-8W-M08BK/GY/HD

| | |
|---|----------------------|
| Minimum Bend Radius, loaded | 150 mm 5.906 in |
| Minimum Bend Radius, unloaded | 100 mm 3.937 in |
| Tensile Load, long term, maximum | 1250 N 281.011 lbf |
| Flex | 25 cycles |

Optical Specifications

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|-------------------|-----|
| Fiber Type | OS2 |
|-------------------|-----|

Optical Specifications, Wavelength Specific

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|-----------------------------|---|
| Attenuation, maximum | 0.25 dB/km @ 1,300 nm 0.35 dB/km @ 1,550 nm 0.45 dB/km @ 1,310 nm |
| Standards Compliance | TIA-492CAAB (OS2) |

Environmental Specifications

| | |
|---------------------------------|-------------------------------------|
| Installation temperature | -5 °C to +50 °C (+23 °F to +122 °F) |
| Operating Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Storage Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |

Packaging and Weights

| | |
|---------------------|---------------------------|
| Cable weight | 104 kg/km 69.885 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
250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable