1593197-5 | 0-024-CN-8W-M24NS/40G/GY



Outdoor Fiber Optic Cable, 24 fiber, OS2, LDPE, loose tube, gel-filled

| Product Classification |
|------------------------|
|------------------------|

| Regional Availability | Asia EMEA |
|------------------------------|---|
| Portfolio | CommScope® |
| Product Type | Fiber OSP cable |
| Product Series | O-CN |
| General Specifications | |
| Cable Type | Central loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB OPTICAL CABLE 1593197-5 24X9/125 OS2 LLDPE (Serial NUMBER) (METRE MARK) |
| Fibers per Subunit, quantity | 24 |
| Total Fiber Count | 24 |
| Dimensions | |
| Buffer Tube/Subunit Diameter | 4 mm 0.157 in |
| Diameter Over Jacket | 9.2 mm 0.362 in |
| | |

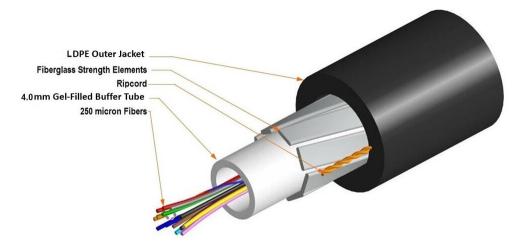
Representative Image

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Material Specifications

| Jacket Material | PE | |
|---|---|--|
| Mechanical Specifications | | |
| Minimum Bend Radius, loaded | 185 mm 7.283 in | |
| Minimum Bend Radius, unloaded | 160 mm 6.299 in | |
| Tensile Load, long term, maximum | 890 N 200.08 lbf | |
| Tensile Load, short term, maximum | 2200 N 494.58 lbf | |
| Compression | 20 N/mm 114.203 lb/in | |
| Compression Test Method | IEC 60794-1-2 E3 | |
| Flex | 25 cycles | |
| Strain | See long and short term tensile loads | |
| Strain Test Method | IEC 60794-1-2-E1 | |
| Optical Specifications | | |
| Fiber Type | OS2 | |
| Optical Specifications, Wavelength Specific | | |
| Attenuation, maximum | 0.22 dB/km @ 1,550 nm 0.34 dB/km @ 1,310 nm | |
| | | |

Environmental Specifications

Installation temperature

-5 °C to +50 °C (+23 °F to +122 °F)

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| Operating Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
|-------------------------------|-------------------------------------|
| Storage Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Environmental Space | Buried Ducted Outdoor |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | IEC 60794-1 F5 |

Packaging and Weights

Cable weight

74 kg/km | 49.726 lb/kft

Regulatory Compliance/Certifications

Classification

Agency

ROHS

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



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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