



Fiber OSP cable, PE, Loose Tube Gel-filled, 48 fiber, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

Product Classification

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

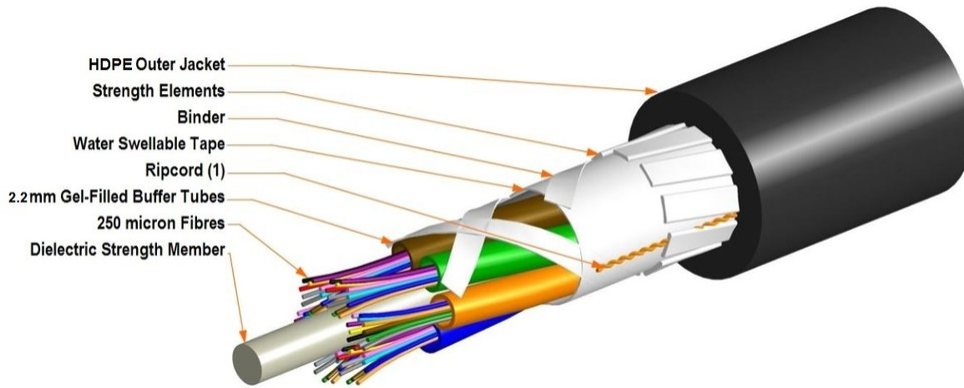
General Specifications

| | |
|-------------------------------------|---------------------|
| Cable Type | Stranded loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Filler, quantity | 2 |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Subunit, quantity | 4 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 48 |

Dimensions

| | |
|-------------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2.2 mm 0.087 in |
| Diameter Over Jacket | 10.5 mm 0.413 in |

Representative Image



Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded 210 mm | 8.268 in
Minimum Bend Radius, unloaded 105 mm | 4.134 in
Tensile Load, long term, maximum 890 N | 200.08 lbf
Tensile Load, short term, maximum 2700 N | 606.984 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 60794-1-21 E1

Optical Specifications

Fiber Type G.652.D and G.657.A1 | OS2

Optical Specifications, Wavelength Specific

Attenuation, maximum 0.22 dB/km @ 1,550 nm | 0.38 dB/km @ 1,310 nm

Environmental Specifications

Installation temperature -10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F)

Environmental Space Buried | Ducted | Outdoor

Water Penetration 24 h

Water Penetration Test Method IEC 60794-1 F5B

Environmental Test Specifications

Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F)

Temperature Cycle Test Method IEC 60794-1-2 F1

Packaging and Weights

Cable weight 86 kg/km | 57.789 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 |



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable