

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

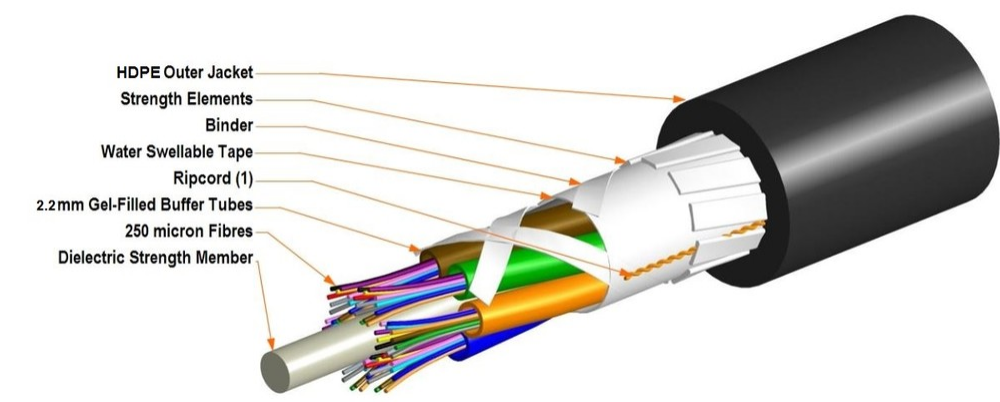
General Specifications

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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



\* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable