

Fiber OSP cable, PE, Loose Tube Gel-filled, 24 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

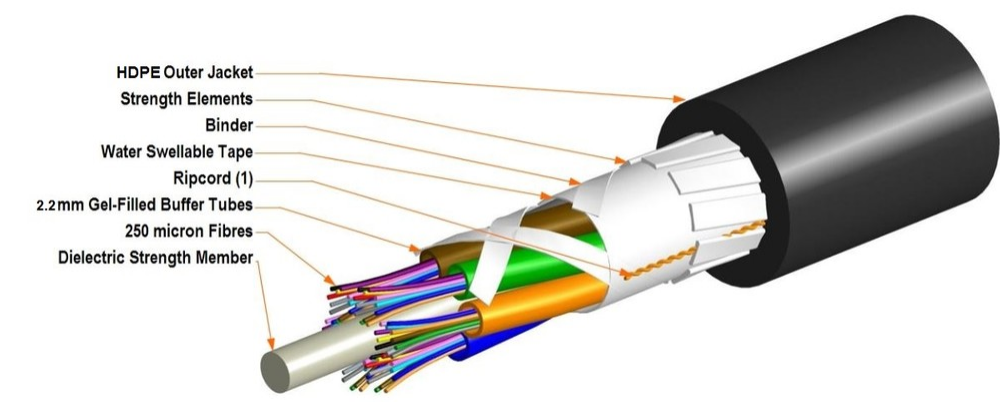
General Specifications

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	6
Total Fiber Count	24

Dimensions

Buffer Tube/Subunit Diameter	2.1 mm   0.083 in
Diameter Over Jacket	10.1 mm   0.398 in

Representative Image



## Material Specifications

Jacket Material	High density polyethylene (HDPE)
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## Mechanical Specifications

Minimum Bend Radius, loaded	200 mm   7.874 in
Minimum Bend Radius, unloaded	100 mm   3.937 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
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## Optical Specifications, Wavelength Specific

Attenuation, maximum	0.22 dB/km @ 1,550 nm   0.38 dB/km @ 1,310 nm
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## 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	82 kg/km   55.101 lb/kft
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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