

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

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

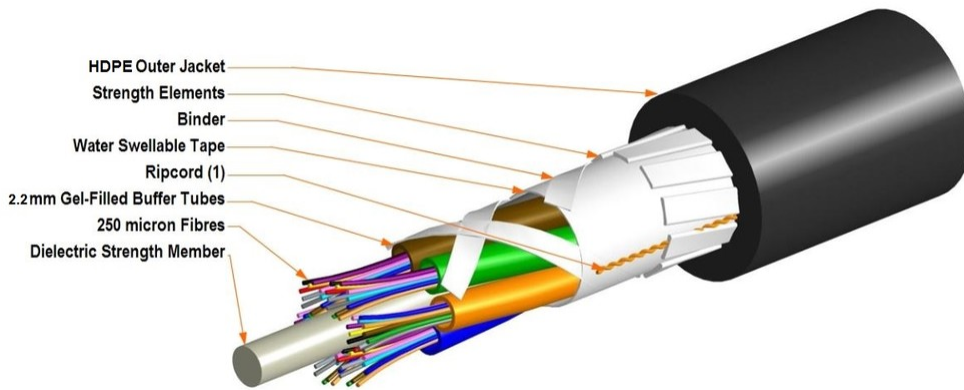
## General Specifications

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

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2.2 mm   0.087 in
<b>Diameter Over Jacket</b>	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