

Fiber OSP cable, PE, Loose Tube Gel-filled CST, 96 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

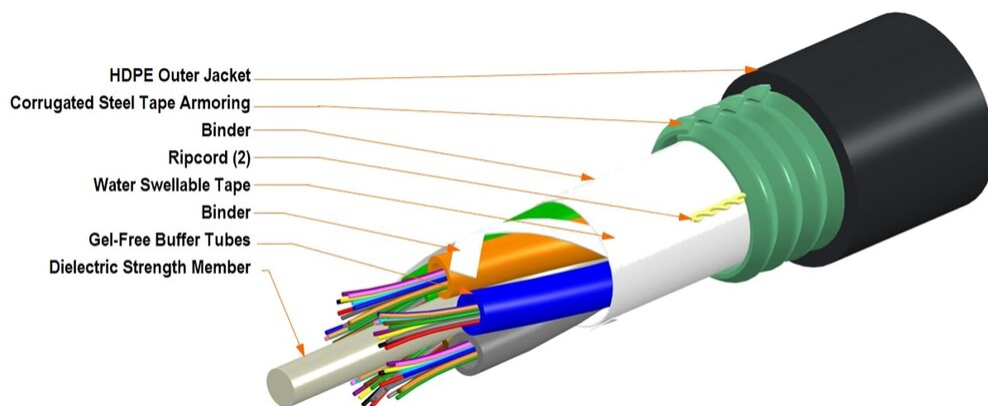
## General Specifications

<b>Armor Type</b>	Corrugated steel
<b>Cable Type</b>	Stranded loose tube
<b>Construction Type</b>	Armored
<b>Fiber Type, quantity</b>	96
<b>Fibers per Subunit, quantity</b>	12
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Strength Members</b>	Central fiber reinforced polymer (FRP) rod
<b>Subunit Type</b>	Gel-filled
<b>Subunit, quantity</b>	8
<b>Total Fiber Count</b>	96

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2.2 mm   0.087 in
<b>Diameter Over Jacket</b>	13.5 mm   0.531 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	270 mm   10.63 in
<b>Minimum Bend Radius, unloaded</b>	135 mm   5.315 in
<b>Tensile Load, short term, maximum</b>	2700 N   606.984 lbf
<b>Compression</b>	22 N/mm   125.623 lb/in
<b>Compression Test Method</b>	IEC 60794-1-2 E3
<b>Flex</b>	25 cycles
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	IEC 60794-1-2-E1

## Optical Specifications

<b>Fiber Type</b>	G.652.D and G.657.A1   OS2
-------------------	----------------------------

## Optical Specifications, Wavelength Specific

<b>Attenuation, maximum</b>	0.30 dB/km @ 1,550 nm   0.40 dB/km @ 1,310 nm
-----------------------------	---

## Environmental Specifications

<b>Installation temperature</b>	-10 °C to +60 °C (+14 °F to +140 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Environmental Space</b>	Buried   Ducted   Outdoor
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5C

## 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** 170 kg/km | 114.235 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](http://www.commscope.com/ProductCompliance)

ROHS

Compliant



## \* Footnotes

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