

Fiber OSP cable, Triple Jacket, Anti Termite, All-Dielectric, 48 fiber, Gel Filled, Mini Stranded Loose Tube, Singlemode G.652.D, Feet 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-N3

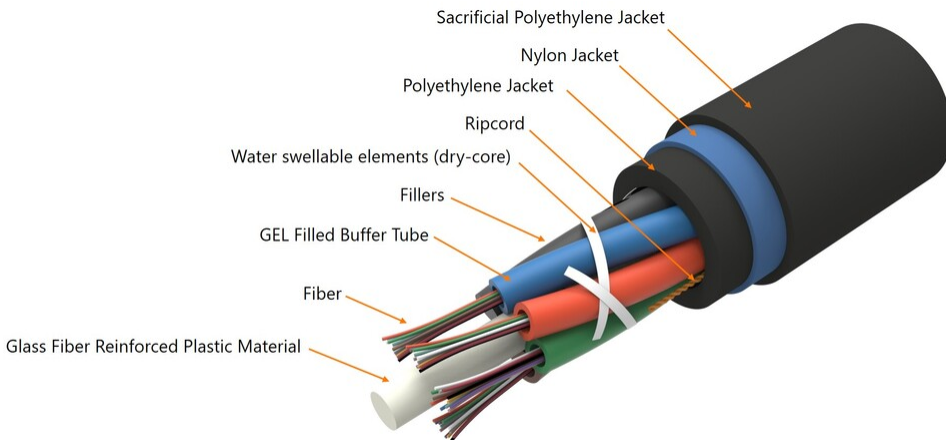
## General Specifications

<b>Cable Type</b>	Stranded loose tube
<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>	1.55 mm   0.061 in
<b>Diameter Over Jacket</b>	7.3 mm   0.287 in

## Representative Image



## Material Specifications

**Jacket Material** Alternative jacket PE | Nylon | PE

## Mechanical Specifications

**Minimum Bend Radius, loaded** 150 mm | 5.906 in  
**Minimum Bend Radius, unloaded** 75 mm | 2.953 in  
**Tensile Load, long term, maximum** 1000 N | 224.809 lbf  
**Compression** 20 N/mm | 114.203 lb/in  
**Compression Test Method** IEC 60794-1 E3  
**Flex** 25 cycles  
**Impact** 1 N-m | 8.851 in lb  
**Impact Test Method** IEC 60794-1 E4  
**Strain** See long and short term tensile loads  
**Strain Test Method** IEC 60794-1 E1  
**Twist** 10 cycles  
**Twist Test Method** IEC 60794-1-21 E7

## Optical Specifications

**Fiber Type** G.652.D

## Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.21 dB/km @ 1,550 nm | 0.35 dB/km @ 1,310 nm

## Environmental Specifications

<b>Installation temperature</b>	0 °C to +50 °C (+32 °F to +122 °F)
<b>Operating Temperature</b>	-10 °C to +70 °C (+14 °F to +158 °F)
<b>Storage Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Cable Qualification Standards</b>	IEC 60794-5-10
<b>Jacket UV Resistance</b>	UV stabilized
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5

## Environmental Test Specifications

<b>Heat Age</b>	0 °C to +85 °C (+32 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend Test Method</b>	IEC 60794-1 E11
<b>Temperature Cycle Test Method</b>	IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	43 kg/km   28.895 lb/kft
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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