

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

Product Classification

Regional Availability	Asia Australia/New Zealand
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-N3

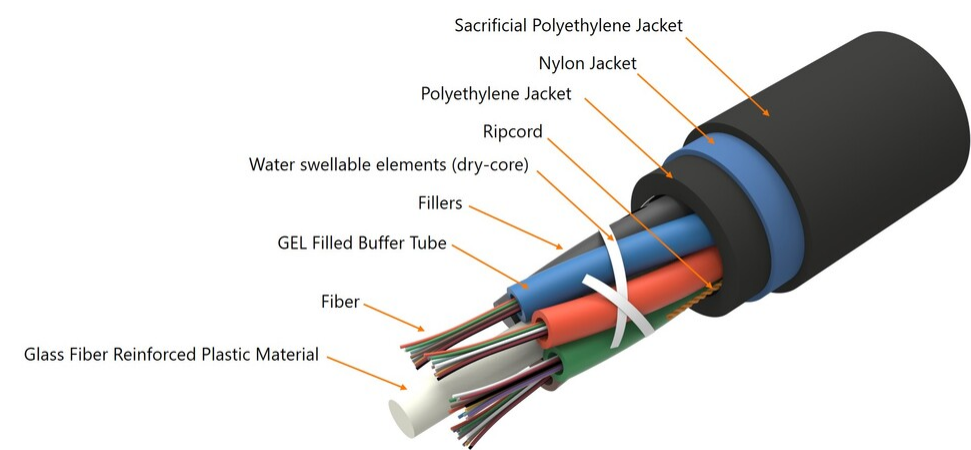
General Specifications

Cable Type	Stranded loose tube
Subunit Type	Gel-filled
Filler, quantity	2
Jacket Color	Violet
Jacket Marking	Meters
Subunit, quantity	4
Fibers per Subunit, quantity	12
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	1.55 mm 0.061 in
Diameter Over Jacket	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

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

Environmental Test Specifications

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

Packaging and Weights

Cable weight	43 kg/km 28.895 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 www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable