

Fiber Optic Cable, Singlemode Outdoor, Triple Jacket, Anti Termite, All-Dielectric Gel Filled, Mini Stranded Loose Tube

Product Classification

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

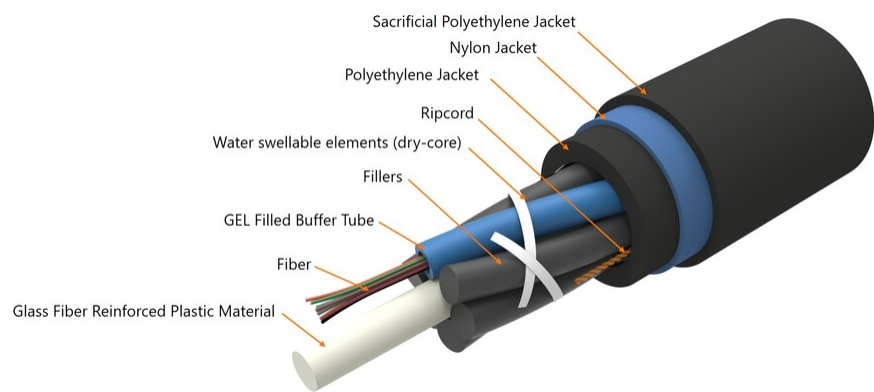
General Specifications

Cable Type	Stranded loose tube
Fibers per Subunit, quantity	12
Filler, quantity	5
Jacket Color	Black
Jacket Marking	Meters Meters
Subunit Type	Gel-filled
Subunit, quantity	1
Total Fiber Count	12

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 and short term	See Sag and Tension tables in Product Documentation section
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
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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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable