# 64623447-48MLT | 0-048-LD-8M-M12BL/15G/PE /PA



48 Core OS2 Outdoor Mini Loose Tube - Double Jacket

Product Classification
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Regional Availability	Asia   Australia/New Zealand
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-LN
General Specifications	
Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Filler, quantity	2
Jacket Color	Blue
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	6.3 mm   0.248 in

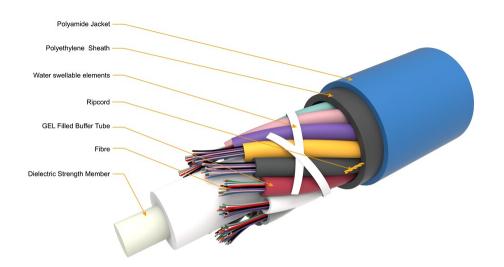
### Representative Image

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### Material Specifications

Jacket Material	Nylon   PE
Mechanical Specifications	
Minimum Bend Radius, loaded	160 mm   6.299 in
Minimum Bend Radius, unloaded	65 mm   2.559 in
Tensile Load, short term, maximum	1000 N   224.809 lbf
Compression	20 N/mm   114.203 lb/in
Compression Test Method	IEC 60794-1-21 E3
Flex	25 cycles
Impact	1 N-m   8.851 in lb
Impact Test Method	IEC 60794-1-21 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1-21 E1
Twist	10 cycles
Twist Test Method	IEC 60794-1-21 E7
Optical Specifications	
Fiber Type	G.652.D

#### Optical Specifications, Wavelength Specific

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Attenuation, maximum

/PA

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	0 °C to +50 °C (+32 °F to +122 °F)	
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)	
Environmental Space	Buried   Underground (duct)	
Jacket UV Resistance	UV stabilized	
Water Penetration	24 h	
Water Penetration Test Method	IEC 60794-1 F5C	
Environmental Test Specifications		
Temperature Cycle	-10 °C to +60 °C (+14 °F to +140 °F)	
Temperature Cycle Test Method	IEC 60794-1-22 F1	
Packaging and Weights		
Cable weight	33 kg/km   22.175 lb/kft	
Included Products		
CS-8M-LT – Low Water Pea Fiber	<ul> <li>Low Water Peak Dispersion-Unshifted OS2 Singlemode Fiber</li> </ul>	

#### \* Footnotes

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

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