

## 48 Core OS2 Outdoor Mini Loose Tube - Double Jacket

### 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

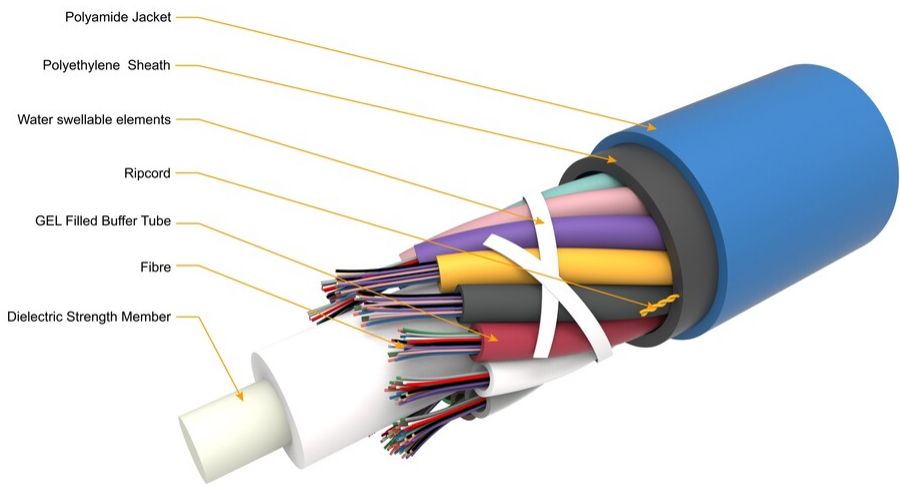
### General Specifications

<b>Cable Type</b>	Stranded loose tube
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-filled
<b>Filler, quantity</b>	2
<b>Jacket Color</b>	Blue
<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>	6.3 mm   0.248 in

### Representative Image



## 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

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

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**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** 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 Peak Dispersion-Unshifted OS2 Singlemode Fiber

## \* Footnotes

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