

48 Core OS2 Outdoor Mini Loose Tube - Double Jacket

Product Classification

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

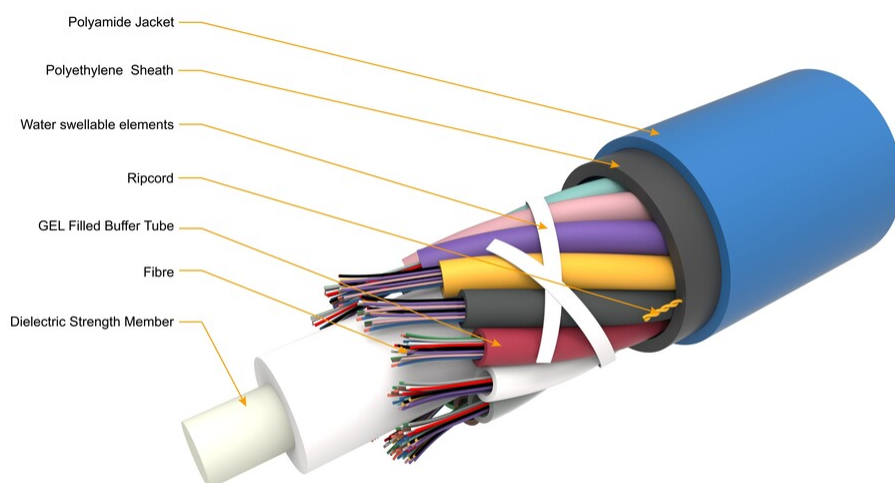
General Specifications

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



## 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

**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>	0 °C to +50 °C (+32 °F to +122 °F)
<b>Storage Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Environmental Space</b>	Buried   Underground (duct)
<b>Jacket UV Resistance</b>	UV stabilized
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5C

## Environmental Test Specifications

<b>Temperature Cycle</b>	-10 °C to +60 °C (+14 °F to +140 °F)
<b>Temperature Cycle Test Method</b>	IEC 60794-1-22 F1

## Packaging and Weights

<b>Cable weight</b>	33 kg/km   22.175 lb/kft
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## Included Products

CS-8M-LT	– Low Water Peak Dispersion-Unshifted OS2 Singlemode Fiber
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## \* Footnotes

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