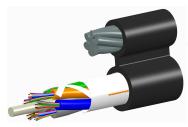
## 1-1859404-4



Outside Plant Fiber Optic Cable, Figure 8, 24-fiber, Singlemode, OS2, loose tube, 1000 m

#### **Product Classification**

Regional Availability Asia | Australia/New Zealand

Portfolio CommScope®
Product Type Fiber OSP cable

Product Series M-LN

General Specifications

Cable Type Stranded loose tube

Construction Type Non-armored

**Subunit Type** Gel-filled

Filler, quantity 1

Jacket ColorBlackJacket MarkingMeters

Subunit, quantity 4

Fibers per Subunit, quantity 6

Total Fiber Count 24

Dimensions

Height Over Jacket 16.4 mm | 0.646 in Diameter Over Jacket 8.8 mm | 0.346 in

Material Specifications

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, loaded176 mm | 6.929 inMinimum Bend Radius, unloaded88 mm | 3.465 in

**Tensile Load, long term, maximum** 11630 N | 2,614.529 lbf

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Tensile Load, short term, maximum 4410 N | 991.408 lbf

**Compression** 20 N/mm | 114.203 lb/in

**Compression Test Method** IEC 60794-1 E3

**Flex** 25 cycles

Flex Test Method IEC 60794-1 E6

**Impact** 2.94 N-m | 26.021 in lb

Impact Test Method IEC 60794-1 E4

**Strain** See long and short term tensile loads

Strain Test Method IEC 60794-1 E1

**Optical Specifications** 

Fiber Type G.652.D | OS2

Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.23 dB/km @ 1,550 nm | 0.36 dB/km @ 1,310 nm

## **Environmental Specifications**

Installation temperature  $-20 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-4  $^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

**Operating Temperature**  $-20 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-4 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$ 

Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F)

**Cable Qualification Standards** IEC 60794-1-2

**Environmental Space** Aerial, self-support

Jacket UV Resistance UV stabilized

Water Penentration 24 h

**Water Penentration Test Method** IEC 60794-1 F5

### **Environmental Test Specifications**

Low High Bend Test Method IEC 60794-1 E11

**Temperature Cycle Test Method** IEC 60794-1 F1

Packaging and Weights

**Cable weight** 142 kg/km | 95.42 lb/kft

\* Footnotes

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