



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 Color	Black
Jacket Marking	Meters
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
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Mechanical Specifications

Minimum Bend Radius, loaded	176 mm 6.929 in
Minimum Bend Radius, unloaded	88 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
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Optical Specifications, Wavelength Specific

Attenuation, maximum	0.23 dB/km @ 1,550 nm 0.36 dB/km @ 1,310 nm
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Environmental Specifications

Installation temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °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 Penetration	24 h
Water Penetration 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
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* Footnotes

1-1859404-4

Operating Temperature Specification applicable to non-terminated bulk fiber cable