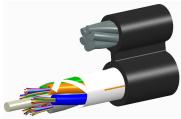
1-1859404-4



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 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	
Mechanical Specifications		
Minimum Bend Radius, loaded	176 mm 6.929 in	

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Minimum Bend Radius, unloaded	88 mm 3.465 in	
Tensile Load, long term, maximum	11630 N 2,614.529 lbf	
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 °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

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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