



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

## 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>	M-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>	1
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Subunit, quantity</b>	4
<b>Fibers per Subunit, quantity</b>	6
<b>Total Fiber Count</b>	24

## Dimensions

<b>Height Over Jacket</b>	16.4 mm   0.646 in
<b>Diameter Over Jacket</b>	8.8 mm   0.346 in

## Material Specifications

<b>Jacket Material</b>	PE
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## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	176 mm   6.929 in
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<b>Minimum Bend Radius, unloaded</b>	88 mm   3.465 in
<b>Tensile Load, long term, maximum</b>	11630 N   2,614.529 lbf
<b>Tensile Load, short term, maximum</b>	4410 N   991.408 lbf
<b>Compression</b>	20 N/mm   114.203 lb/in
<b>Compression Test Method</b>	IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	IEC 60794-1 E6
<b>Impact</b>	2.94 N-m   26.021 in lb
<b>Impact Test Method</b>	IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	IEC 60794-1 E1

## Optical Specifications

<b>Fiber Type</b>	G.652.D   OS2
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## Optical Specifications, Wavelength Specific

<b>Attenuation, maximum</b>	0.23 dB/km @ 1,550 nm   0.36 dB/km @ 1,310 nm
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## Environmental Specifications

<b>Installation temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Operating Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	IEC 60794-1-2
<b>Environmental Space</b>	Aerial, self-support
<b>Jacket UV Resistance</b>	UV stabilized
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5

## Environmental Test Specifications

<b>Low High Bend Test Method</b>	IEC 60794-1 E11
<b>Temperature Cycle Test Method</b>	IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	142 kg/km   95.42 lb/kft
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## \* Footnotes

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