

Indoor/Outdoor Low Smoke Zero Halogen / 48F Microsheath Fiber Optic Cable , Black

## Product Classification

**Regional Availability**

Asia | Australia/New Zealand | EMEA

**Portfolio**

CommScope®

**Product Type**

Fiber indoor/outdoor cable

## General Specifications

**Cable Type**

Stranded microsheath tube

**Fibers per Subunit, quantity**

12

**Filler, quantity**

2

**Jacket Color**

Black

**Subunit Type**

Gel-free

**Subunit, quantity**

4

**Total Fiber Count**

48

## Dimensions

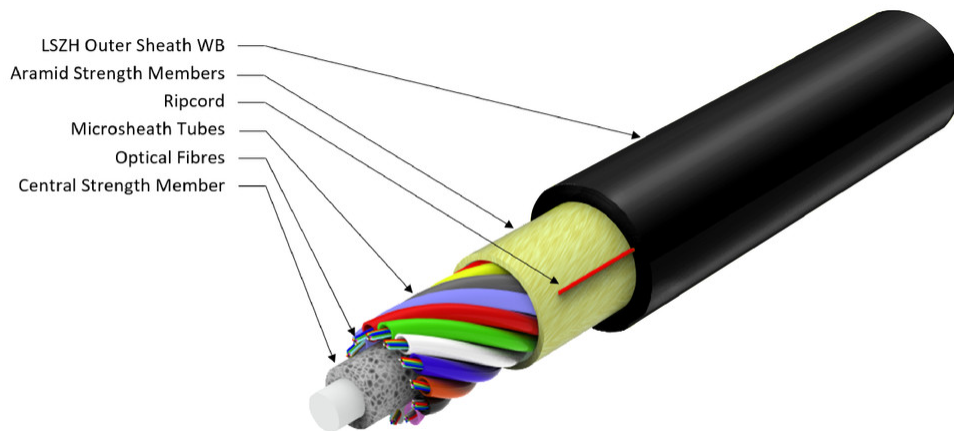
**Cable Length**

2000 m | 6,561.68 ft

**Diameter Over Jacket**

6.1 mm | 0.24 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	100 mm   3.937 in
<b>Minimum Bend Radius, unloaded</b>	55 mm   2.165 in
<b>Tensile Load, long term, maximum</b>	200 N   44.962 lbf
<b>Tensile Load, short term, maximum</b>	700 N   157.366 lbf
<b>Cable Crush Resistance, maximum</b>	10 N/mm   57.101 lb/in
<b>Compression Test Method</b>	IEC 60794-1-21 E3
<b>Impact</b>	2 N-m   17.701 in lb
<b>Impact Test Method</b>	IEC 60794-1-21 E4
<b>Strain Test Method</b>	IEC 60794-1-21 E1

## Optical Specifications

<b>Fiber Type</b>	G.657.A1
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## Optical Specifications, Wavelength Specific

<b>Attenuation, maximum</b>	0.25 dB/km @ 1,550 nm   0.27 dB/km @ 1,490 nm   0.27 dB/km @ 1,625 nm   0.36 dB/km @ 1,310 nm
<b>Standards Compliance</b>	TIA-492CAAB (OS2)

## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Dca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a

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<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d2
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Universal Low Smoke Zero Halogen (ULSZH)
<b>Water Penetration Test Method</b>	IEC 60794-1 F5

## Environmental Test Specifications

<b>Temperature Cycle</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	IEC 60794-1-22 F1

## Packaging and Weights

<b>Cable weight</b>	36 kg/km   24.191 lb/kft
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## Included Products

CS-8F-LT	–	Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber
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## \* Footnotes

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