



Fiber Indoor/outdoor Cable, Low Smoke Zero Halogen / 72 fiber  
Microsheath,, Gel-free, Singlemode , Meters jacket marking, Black jacket  
color, B2ca flame rating

Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-LN

General Specifications

Cable Type	Stranded microsheath tube
Subunit Type	Gel-free
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMScope GB OPTICAL CABLE 760256142 72 x G652D 9/125 EN50575 CLASS B ULSZH [Serial number] [metre mark]
Subunit, quantity	6
Fibers per Subunit, quantity	12
Total Fiber Count	72

Dimensions

Cable Length	2000 m   6,561.68 ft
Buffer Tube/Subunit Diameter	1.5 mm   0.059 in
Diameter Over Jacket	7.7 mm   0.303 in

Mechanical Specifications

Minimum Bend Radius, loaded	150 mm   5.906 in
Minimum Bend Radius, unloaded	105 mm   4.134 in
Tensile Load, long term, maximum	180 N   40.466 lbf
Tensile Load, short term, maximum	600 N   134.885 lbf

# 760256142 | C-072-LN-8W-M12BK/15D/B2

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<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
<b>Twist</b>	5 cycles
<b>Twist Test Method</b>	IEC 60794-1 E7

## Optical Specifications

<b>Fiber Type</b>	G.652.D and 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 @ 1,625 nm   0.36 dB/km @ 1,310 nm
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## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	B2ca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d0
<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>	68 kg/km   45.694 lb/kft
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## Included Products

CS-8W-LT	– TeraSPEED® G652D/G657A1 Singlemode Fiber
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## \* Footnotes

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