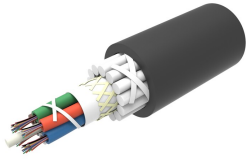


# 760254754 | C-072-LA-8W-M12BK/25G/GRP/E



Indoor/Outdoor Low Smoke Zero Halogen, TeraSPEED® GRP Armoured, Stranded Loose Tube Fiber Optic Cable, 72-fiber, Singlemode OS2, Gel-filled, black. Provides Rodent Resistance.

## Product Classification

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

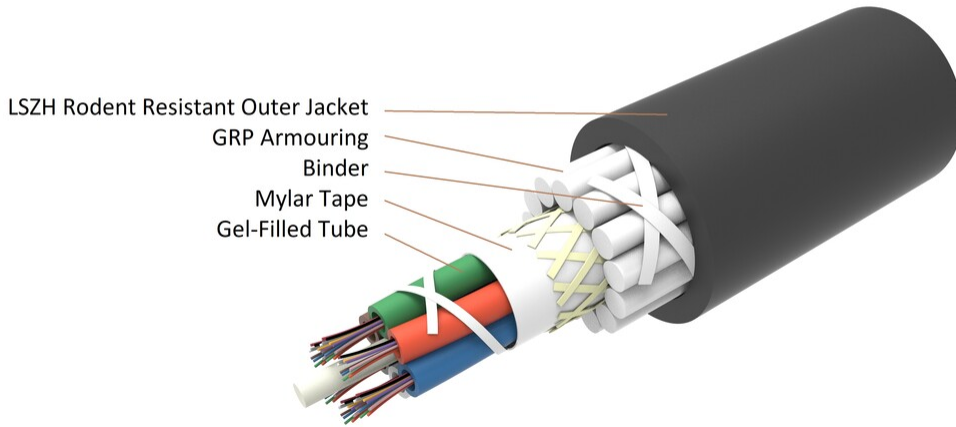
## General Specifications

<b>Armor Type</b>	Non-metallic rods
<b>Cable Type</b>	Loose tube
<b>Construction Type</b>	Armored
<b>Subunit Type</b>	Gel-filled
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Jacket Marking Method</b>	Inkjet
<b>Jacket Marking Text</b>	COMMSCOPE GB OPTICAL CABLE 760254754 OS2 SM 72 FIBER EN50575 CLASS Dca [SERIAL NUMBER] [MM /YY] [METRE MARK]
<b>Subunit, quantity</b>	6
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	72

## Dimensions

<b>Cable Length</b>	2000 m   6,561.68 ft
<b>Buffer Tube/Subunit Diameter</b>	2.5 mm   0.098 in
<b>Diameter Over Jacket</b>	16.8 mm   0.661 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	340 mm   13.386 in
<b>Minimum Bend Radius, unloaded</b>	250 mm   9.843 in
<b>Tensile Load, long term, maximum</b>	6000 N   1,348.854 lbf
<b>Tensile Load, short term, maximum</b>	9000 N   2,023.281 lbf
<b>Cable Crush Resistance, maximum</b>	40 N/mm   228.406 lb/in
<b>Compression Test Method</b>	IEC 60794-1-2 E3
<b>Impact</b>	15 N-m   132.761 in lb
<b>Impact Test Method</b>	IEC 60794-1 E4
<b>Twist</b>	5 cycles
<b>Twist Test Method</b>	IEC 60794-1 E7

## Optical Specifications

<b>Fiber Type</b>	OS2
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## Optical Specifications, Wavelength Specific

<b>Attenuation, maximum</b>	0.35 dB/km @ 1,300 nm   0.35 dB/km @ 1,550 nm   0.45 dB/km @ 1,310 nm
<b>Standards Compliance</b>	IEC 60794-1   TIA-492CAAB (OS2)

## Environmental Specifications

<b>Installation temperature</b>	-5 °C to +50 °C (+23 °F to +122 °F)
<b>Operating Temperature</b>	-25 °C to +70 °C (-13 °F to +158 °F)
<b>Storage Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Eca
<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)
<b>Water Penetration</b>	24 h
<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 60794-1-2 F1

## Packaging and Weights

<b>Cable weight</b>	223 kg/km   149.849 lb/kft
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## Included Products

CS-8W-LT – TeraSPEED® G652D/G657A1 Singlemode Fiber

## \* Footnotes

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