# 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, Gelfilled, black. Provides Rodent Resistance.

# Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA	
Portfolio	CommScope®	
Product Type	Fiber indoor/outdoor cable	
Product Series	C-LA	
General Specifications		
Armor Type	Non-metallic rods	
Cable Type	Loose tube	
Construction Type	Armored	
Subunit Type	Gel-filled	
Jacket Color	Black	
Jacket Marking	Meters	
Jacket Marking Method	Inkjet	
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 760254754 OS2 SM 72 FIBER EN50575 CLASS Dca [SERIAL NUMBER] [MM /YY] [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	2.5 mm   0.098 in	
Diameter Over Jacket	16.8 mm   0.661 in	

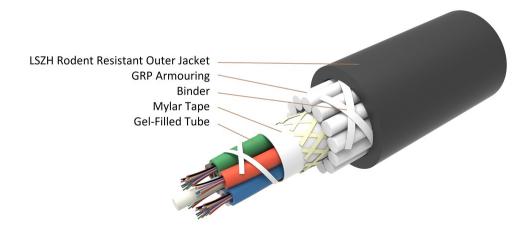
# Representative Image

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# Mechanical Specifications

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

#### **Optical Specifications**

Fiber Type

OS2

#### Optical Specifications, Wavelength Specific

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

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### **Environmental Specifications**

Installation temperature	-5 °C to +50 °C (+23 °F to +122 °F)
Operating Temperature	-25 °C to +70 °C (-13 °F to +158 °F)
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
EN50575 CPR Cable EuroClass Fire Performance	Eca
Environmental Space	Low Smoke Zero Halogen (LSZH)
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5
Environmental Test Specifications	
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1
Packaging and Weights	

# Cable weight 223 kg/km | 149.849 lb/kft

#### Included Products

CS-8W-LT

 TeraSPEED® G652D/G657A1 Singlemode Fiber

### \* Footnotes

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

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