

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

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

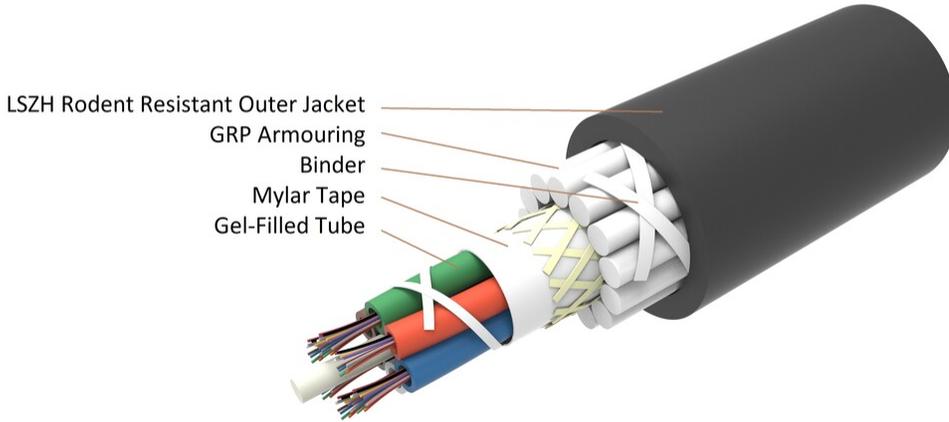
General Specifications

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



Mechanical Specifications

Minimum Bend Radius, loaded	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
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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)

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
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Included Products

CS-8W-250-EMEA - LightScope® ZWP Singlemode Fiber
8W-250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable