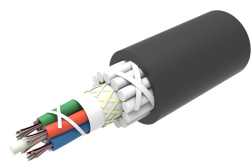# 760255364 | C-096-LA-8W-M12BK/20G/GRP/D

Indoor/outdoor fiber cable, TeraSPEED® Single Jacket/Single GRP Armor, Gel-filled, Stranded Loose Tube, Singlemode OS2, black Provides Rodent Resistance.

Product Classification

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

General Specifications

Armor Type	Non-metallic rods
Cable Type	Stranded 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 OS2 SM 96 FIBER EN50575 CLASS Dca [SERIAL NUMBER] [MM/YY] [METRE MARK]
Subunit, quantity	8
Fibers per Subunit, quantity	12
Total Fiber Count	96

Dimensions

Buffer Tube/Subunit Diameter	2 mm	0.079 in
Diameter Over Jacket	15.7 mm	0.618 in

Representative Image

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760255364 | C-096-LA-8W-M12BK/20G/GRP/D

LSZH Rodent Resistant Outer Jacket
GRP Armouring
Binder
Mylar Tape
Gel-Filled Tube
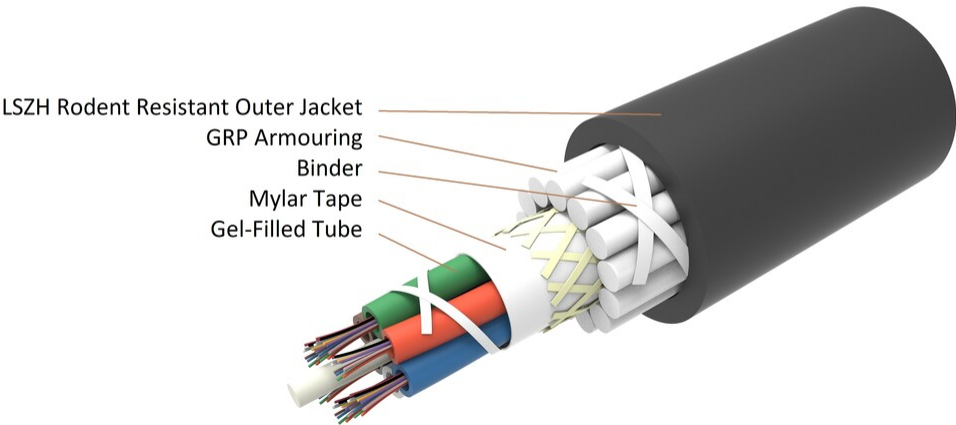
Mechanical Specifications

Minimum Bend Radius, loaded	400 mm | 15.748 in
Minimum Bend Radius, unloaded	270 mm | 10.63 in
Tensile Load, long term, maximum	6000 N | 1,348.854 lbf
Compression	40 N/mm | 228.406 lb/in
Compression Test Method	IEC 60794-1 E3
Flex	25 cycles
Impact	15 N-m | 132.761 in lb
Impact Test Method	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1 E1
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.652.D and G.657.A1, TeraSPEED® | OS2

Environmental Specifications

Installation temperature	-20 °C to +70 °C (-4 °F to +158 °F)

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Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Cable Qualification Standards	IEC 60794-1-2
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s2
EN50575 CPR Cable EuroClass Droplets Rating	d2
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Aerial, lashed	Buried
Flame Test Listing	EN 50399
Flame Test Method	EN 50399
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

Environmental Test Specifications

Heat Age	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °F)
Low High Bend Test Method	IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1 F1

Packaging and Weights

Cable weight	278 kg/km	186.807 lb/kft

Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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