760259912 | C-006-L2-8W-M06BK/40G/GY/FS



Fiber Indoor/Outdoor cable, TeraSPEED®, 120 min Fire Survival, Low Smoke Zero Halogen (LSZH), 6 fiber, Gel-Filled, Central Loose Tube, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color. Provides Rodent Resistance.

Product Classification

Regional Availability	Asia Australia/New Zealand Middle East/Africa
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-L2
General Specifications	
Armor Type	Corrugated steel
Cable Type	Central loose tube
Construction Type	Armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Subunit, quantity	1
Fibers per Subunit, quantity	6
Total Fiber Count	6
Dimensions	
Buffer Tube/Subunit Diameter	4 mm 0.157 in
Diameter Over Jacket	12.7 mm 0.5 in

Representative Image

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LSZH Outer Jacket Corrugated Steel Armoring Ripcord Internal LSZH Jacket E-Glass Strength Elements Gel-Filled PBT Tube Optical Fibres

Mechanical Specifications

Minimum Bend Radius, loaded	255 mm 10.039 in
Minimum Bend Radius, unloaded	180 mm 7.087 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1400 N 314.733 lbf
Compression	30 N/mm 171.304 lb/in
Compression Test Method	IEC 60794-1 E3
Impact	10 N-m 88.507 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
Ontical Specifications	

Optical Specifications

Fiber Type

G.652.D and G.657.A1, TeraSPEED®

Environmental Specifications

Operating Temperature

-20 °C to +70 °C (-4 °F to +158 °F)

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Storage Temperature	-33 °C to +40 °C (-27.4 °F to +104 °F)
Cable Qualification Standards	EN 187105 IEC 60794-1-2
Environmental Space	Aerial, lashed Buried Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60331-25
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

Environmental Test Specifications

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
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216 kg/km | 145.145 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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