2-1716211-4 | C-012-L2-8W-M12BK/40G/GY/FS/B

Fiber Indoor/Outdoor cable, TeraSPEED®, 120 min Fire Survival, Low Smoke Zero Halogen (LSZH), 12 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	EMEA
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-L2

General Specifications

Armor Type	Corrugated steel
Cable Type	Loose tube
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB SYSTEM F O CABLE X-1716211-4 INT/EXT FIRE SURVIVAL 12 X 9/125 OS2 [Serial NUMBER] [METRE MARK]
Fibers per Subunit, quantity	12
Total Fiber Count	12

Dimensions

Cable Length	2000 m	6,561.68 ft
Buffer Tube/Subunit Diameter	4 mm	0.157 in
Diameter Over Jacket	12.7 mm	0.5 in

Mechanical Specifications

Minimum Bend Radius, loaded	330 mm	12.992 in
Minimum Bend Radius, unloaded	255 mm	10.039 in
Tensile Load, long term, maximum	400 N	89.924 lbf

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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

Optical Specifications

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

Optical Specifications, Wavelength Specific

Attenuation, maximum	0.22 dB/km @ 1,550 nm | 0.34 dB/km @ 1,310 nm
Standards Compliance	TIA-492CAAB (OS2)

Environmental Specifications

Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-33 °C to +40 °C (-27.4 °F to +104 °F)
Cable Qualification Standards	EN 187105 | IEC 60794-1-2
EN50575 CPR Cable EuroClass Fire Performance	B2ca
EN50575 CPR Cable EuroClass Smoke Rating	s1b
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Aerial, lashed | Buried | Universal Low Smoke Zero Halogen (ULSZH)
Flame Test Listing	EN 50399 | IEC 60332-1-2
Flame Test Method	EN 50399 | IEC 60331-25 (120) Fire resistance: 120 minutes at 750 °C (no fiber break) | IEC 60332-1-2 | IEC 60754-2 | IEC 61034-2
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

Environmental Test Specifications

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Low High Bend Test Method	IEC 60794-1 E11
Temperature Cycle	-25 °C to +70 °C (-13 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1 F1

Packaging and Weights

Cable weight	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
8W-250um − LightScope® ZWP Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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