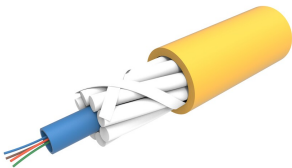# 2-599172-4 | C-012-CA-8W-M12YL/28G/GRP/D

Fiber Optic Cable, 12-fiber, OS2, ULSZH, loose tube, gel-filled. Provides Rodent Resistance.

OBSOLETE

This product was discontinued on: March 31, 2023

Product Classification

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

General Specifications

Armor Type	Non-metallic rods
Cable Type	Loose tube
Subunit Type	Gel-filled
Filler, quantity	1
Jacket Color	Yellow
Jacket Marking	Meters
Fibers per Subunit, quantity	12
Total Fiber Count	12

Dimensions

Cable Length	2000 m	6,561.68 ft
Diameter Over Jacket	9 mm	0.354 in

Mechanical Specifications

Minimum Bend Radius, loaded	228.6 mm	9 in
Minimum Bend Radius, unloaded	175.3 mm	6.902 in
Tensile Load, long term, maximum	750 N	168.607 lbf

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Tensile Load, short term, maximum	3000 N	674.427 lbf
Cable Crush Resistance, maximum	30 N/mm	171.304 lb/in
Compression Test Method	IEC 60794-1-2 E3

Optical Specifications

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

Environmental Specifications

Installation temperature	-5 °C to +50 °C (+23 °F to +122 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
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	Universal Low Smoke Zero Halogen (ULSZH)

Environmental Test Specifications

Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1

Packaging and Weights

Cable weight	94 kg/km	63.165 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

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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

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