810009845/DB | C-024-LA-8W-M12YL/25G/GRP /E

Fiber Indoor/Outdoor Cable, 24-fiber, Singlemode OS2, ULSZH, loose tube, gel-filled, Singlemode G.652.D and G.657.A1, Meters jacket marking, Yellow jacket color, Eca Flame rating

<div style="border:1px solid red;">

OBSOLETE

This product was discontinued on: March 31, 2023

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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
Filler, quantity	2
Jacket Color	Yellow
Jacket Marking	Meters
Fibers per Subunit, quantity	12
Total Fiber Count	24

Dimensions

Cable Length	2000 m	6,561.68 ft
Buffer Tube/Subunit Diameter	2.8 mm	0.11 in
Diameter Over Jacket	15 mm	0.591 in

Representative Image

COMMSCOPE®

ULSZH Outer Jacket
GRP Armoring
Binder
Water Blocking Tape
Gel-Filled Buffer Tube
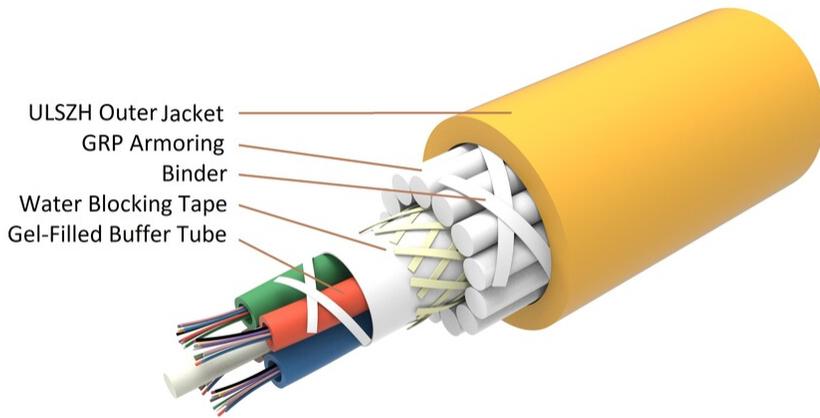
Mechanical Specifications

Minimum Bend Radius, loaded	290 mm	11.417 in
Minimum Bend Radius, unloaded	217 mm	8.543 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	50 N/mm	285.507 lb/in
Compression Test Method	IEC 60794-1-2 E3
Impact	20 N-m	177.015 in lb
Impact Test Method	IEC 60794-1 E4
Twist	10 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.652.D and G.657.A1

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)

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810009845/DB | C-024-LA-8W-M12YL/25G/GRP /E

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	Universal Low Smoke Zero Halogen (ULSZH)
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

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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