810009865/DB | C-024-CN-8W-M24YL/40G/GY /D

Fiber indoor/outdoor cable, LightScope® ZWP, gel-filled, loose tube, 24 fiber, yellow, Singlemode G.652.D and G.657.A1, Yellow jacket color, Dca flame rating. Provides Rodent Resistance

OBSOLETE

This product was discontinued on: March 31, 2023

Product Classification

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

General Specifications

Cable Type	Loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Yellow
Jacket Marking	Meters
Subunit, quantity	1
Fibers per Subunit, quantity	24
Total Fiber Count	24

Dimensions

Cable Length	2000 m	6,561.68 ft
Buffer Tube/Subunit Diameter	4 mm	0.157 in
Diameter Over Jacket	8 mm	0.315 in

Representative Image

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LSZH Outer Jacket
E-Glass Strength Elements
Gel Filled Buffer Tube
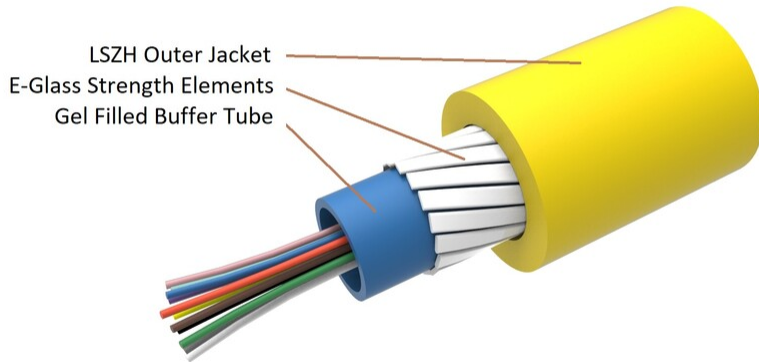
Mechanical Specifications

Minimum Bend Radius, loaded	110 mm | 4.331 in
Minimum Bend Radius, unloaded	60 mm | 2.362 in
Tensile Load, long term, maximum	1000 N | 224.809 lbf
Tensile Load, short term, maximum	1300 N | 292.252 lbf
Compression	30 N/mm | 171.304 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

Optical Specifications

Fiber Type	OS2

Optical Specifications, Wavelength Specific

Standards Compliance	IEC 60794-1 | TIA-492CAAB (OS2)

Environmental Specifications

Installation temperature	-5 °C to +50 °C (+23 °F to +122 °F)
Operating Temperature	-30 °C to +70 °C (-22 °F to +158 °F)

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Storage Temperature	-30 °C to +70 °C (-22 °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)
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

Environmental Test Specifications

Temperature Cycle	-30 °C to +70 °C (-22 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1

Packaging and Weights

Cable weight	74 kg/km	49.726 lb/kft

Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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