810009861/DB | C-008-DN-8W-M08YL/28G/AY/E

Fiber indoor/outdoor cable, LightScope ZWP® , Gel-filled loose tube, 8 fiber, Singlemode G.652.D, Meters jacket marking, Yellow jacket color, Eca flame rating

> **OBSOLETE**
>
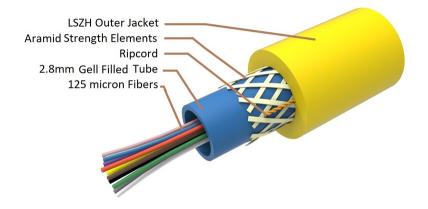> This product was discontinued on: March 31, 2023

Product Classification

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

General Specifications

Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Yellow
Jacket Marking	Meters
Fibers per Subunit, quantity	8
Total Fiber Count	8

Dimensions

Cable Length	1000 m	3,280.84 ft
Buffer Tube/Subunit Diameter	2.8 mm	0.11 in
Diameter Over Jacket	6.4 mm	0.252 in

Representative Image

COMMSCOPE®

LSZH Outer Jacket
Aramid Strength Elements
Ripcord
2.8mm Gell Filled Tube
125 micron Fibers

Mechanical Specifications

Minimum Bend Radius, loaded	130 mm | 5.118 in
Minimum Bend Radius, unloaded	75 mm | 2.953 in
Tensile Load, long term, maximum	400 N | 89.924 lbf
Tensile Load, short term, maximum	530 N | 119.149 lbf
Cable Crush Resistance, maximum	20 N/mm | 114.203 lb/in
Compression Test Method	IEC 60794-1-2 E3
Impact	5 N-m | 44.254 in lb
Impact Test Method	IEC 60794-1 E4

Optical Specifications

Fiber Type	G.652.D | OS2

Optical Specifications, Wavelength Specific

Attenuation, maximum	0.35 dB/km @ 1,300 nm

Environmental Specifications

Installation temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)

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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

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	44 kg/km	29.567 lb/kft

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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