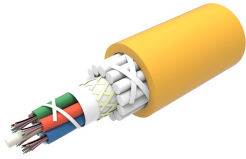# 2-1716025-4 | C-072-LA-8W-M12YL/25G/GRP

Fiber Optic Cable, 72-fiber, OS2, yellow. 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-LA

General Specifications

Armor Type	Non-metallic rods
Cable Type	Loose tube
Construction Type	Armored
Subunit Type	Gel-filled
Jacket Color	Yellow
Jacket Marking	Meters
Subunit, quantity	6
Fibers per Subunit, quantity	12
Total Fiber Count	72

Dimensions

Cable Length	2000 m	6,561.68 ft
Buffer Tube/Subunit Diameter	2.5 mm	0.098 in
Diameter Over Jacket	16.8 mm	0.661 in

Representative Image

COMMSCOPE®

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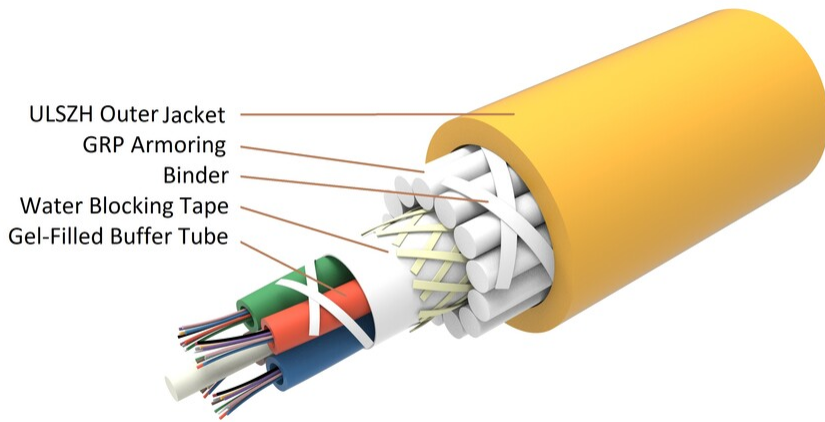
Mechanical Specifications

Minimum Bend Radius, loaded	340 mm	13.386 in
Minimum Bend Radius, unloaded	250 mm	9.843 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	40 N/mm	228.406 lb/in
Compression Test Method	IEC 60794-1-2 E3
Impact	15 N-m	132.761 in lb
Impact Test Method	IEC 60794-1 E4
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	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)

COMMSCOPE®

2-1716025-4 | C-072-LA-8W-M12YL/25G/GRP

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

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 250um – LightScope ZWP® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®