1594812-5 | C-O24-CA-8W-M24BK/40G/GRP/E
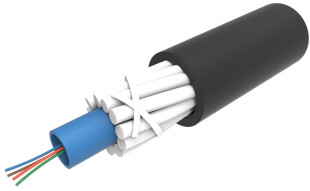
Fiber Optic Cable, Indoor/outdoor, 24-fiber, OS2, ULSZH, loose tube, gel-filled. Provides Rodent Resistance.

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
Construction Type	Armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 1594812-5 24 x 9/125 OS2 ULSZH EN50575 CLASS E [Serial NUMBER] [METRE MARK]
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	11 mm	0.433 in

Representative Image

COMMSCOPE®

ULSZH Outer Jacket
Binder
Mylar Tape (not shown)
1.5mm GRP Armoring
4.0mm Gel filled
Central Loose Tube
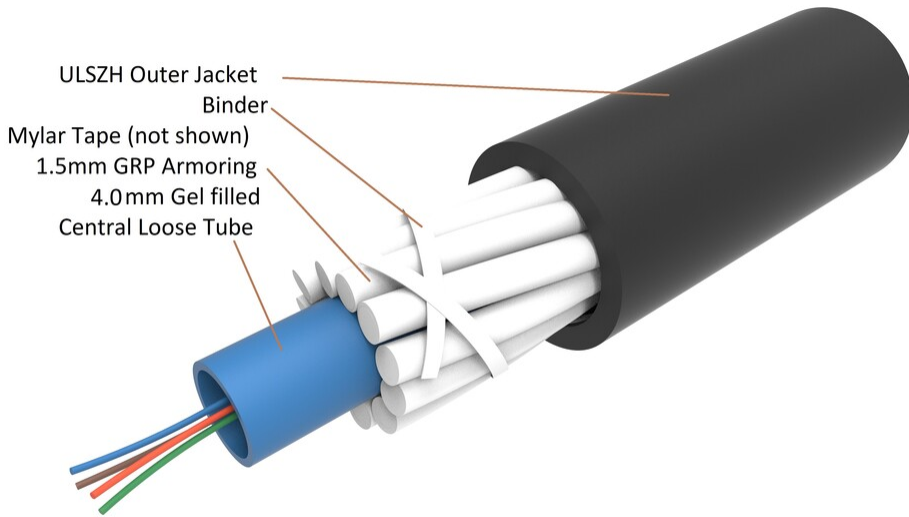
Mechanical Specifications

Minimum Bend Radius, loaded	320 mm | 12.598 in
Minimum Bend Radius, unloaded	240 mm | 9.449 in
Tensile Load, long term, maximum	750 N | 168.607 lbf
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
Impact	5 N-m | 44.254 in lb
Impact Test Method	IEC 60794-1 E4
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.652.D and G.657.A1, TeraSPEED® | OS2

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)
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)

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1594812-5 | C-024-CA-8W-M24BK/40G/GRP/E

EN50575 CPR Cable EuroClass Fire Performance	Eca
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	142 kg/km	95.42 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-LT	–	TeraSPEED® G652D/G657A1 Singlemode Fiber

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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