

2-599691-4 | C-024-CA-8W-M24BK/40G/GY



Fiber indoor/outdoor Cable, Armored LSZH, G.652.D and G.657.A1, 24 fiber, loose tube, gel-filled

Product Classification

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

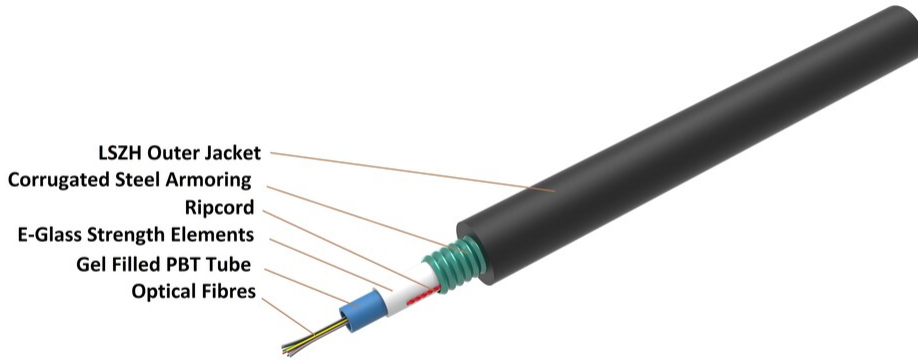
General Specifications

Armor Type	Corrugated steel
Cable Type	Loose tube
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB SYSTEM F.O. CABLE X-599691-4 CSA GEL LOOSE TUBE 24X9/125 OS2 ULSZH (Serial NUMBER) (METRE MARK)
Fibers per Subunit, quantity	24
Total Fiber Count	24

Dimensions

Buffer Tube/Subunit Diameter	4 mm 0.157 in
Diameter Over Jacket	10.5 mm 0.413 in

Representative Image



Material Specifications

Jacket Material Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded 210 mm | 8.268 in
Minimum Bend Radius, unloaded 160 mm | 6.299 in
Tensile Load, long term, maximum 625 N | 140.506 lbf
Tensile Load, short term, maximum 1200 N | 269.771 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 60794-1-21 E4
Twist 5 cycles
Twist Test Method IEC 60794-1-21 E7

Optical Specifications

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

Optical Specifications, Wavelength Specific

Attenuation, maximum 0.22 dB/km @ 1,550 nm | 0.36 dB/km @ 1,310 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)
Storage Temperature	-20 °C to +75 °C (-4 °F to +167 °F)
Cable Qualification Standards	IEC 60794-1-2
Environmental Space	Buried Ducted Indoor/Outdoor Outdoor
Flame Test Method	IEC 60332-1 IEC 60754-1 IEC 60754-2 IEC 61034-2
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

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	151 kg/km 101.467 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 – LightScope ZWP® Singlemode Fiber
250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable