

2-599691-3 | C-024-CA-5L-M24BK/28G/GY



Fiber indoor/outdoor Cable, Armored LSZH, OM3, 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

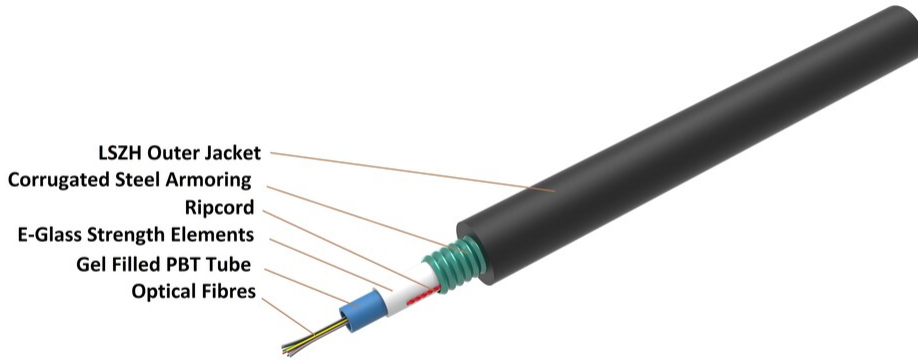
General Specifications

Armor Type	Corrugated steel
Cable Type	Loose tube
Construction Type	Armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMScope GB SYSTEM F.O.CABLE X-599691-3 CSA GEL LOOSE TUBE 24X50/125 OM3 ULSZH [Serial NUMBER] [METER MARK]
Fibers per Subunit, quantity	24
Total Fiber Count	24

Dimensions

Buffer Tube/Subunit Diameter	2.8 mm 0.11 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 OM3

Optical Specifications, Wavelength Specific

Attenuation, maximum 1.00 dB/km @ 1,300 nm | 3.00 dB/km @ 850 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
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Included Products

- CS-5L-LT - LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable