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

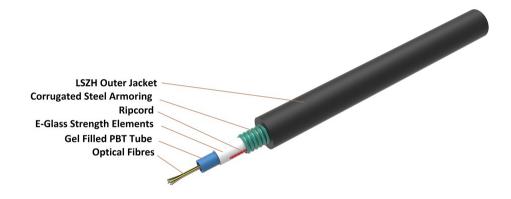
Representative Image

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Material Specifications

Jacket Material

Mechanical Specifications

Low Smoke Zero Halogen (LSZH)

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

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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