7709171-6-2SM

Fiber Optic Cable, Low Smoke Zero Halogen, Armored, 2 fiber

Product Classification

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

General Specifications

Armor Type	Stainless steel
Construction Type	Armored
Jacket Color	Black
Jacket Marking	Feet
Fibers per Subunit, quantity	2
Total Fiber Count	2

Dimensions

Diameter Over Jacket	6 mm	0.236 in

Mechanical Specifications

Minimum Bend Radius, loaded	120 mm	4.724 in
Minimum Bend Radius, unloaded	60 mm	2.362 in
Tensile Load, long term, maximum	600 N	134.885 lbf
Tensile Load, short term, maximum	1200 N	269.771 lbf
Flex	25 cycles
Flex Test Method	FOTP-104	IEC 60794-1 E6
Impact	2.94 N-m	26.021 in lb
Impact Test Method	FOTP-25	IEC 60794-1 E4
Twist	10 cycles
Twist Test Method	FOTP-85	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.657.A2/B2	G.657.A2/B2

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Environmental Specifications

Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	0 °C to +70 °C (+32 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696	Telcordia GR-20 (water penetration)	Telcordia GR-409
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Listing	NEC OFNR-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 60332-3	IEC 60754-2	IEC 61034-2	UL 1666	UL 1685
Jacket UV Resistance	UV stabilized

Environmental Test Specifications

Heat Age	0 °C to +85 °C (+32 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Temperature Cycle	0 °C to +70 °C (+32 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3	IEC 60794-1 F1

Packaging and Weights

Cable weight	48 kg/km	32.255 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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