760171470 | P-012-OZ-5K-FSUBK

Fiber Indoor/Outdoor cable, LazrSPEED® Plenum Distribution, interlocking aluminum armored with plenum jacket, Multimode OM4, 12 fiber single-unit, Gel-free, Feet jacket marking, Black jacket color

Product Classification

Regional Availability	Asia | Australia/New Zealand | Latin America | Middle East/Africa | North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	P-OZ

General Specifications

Armor Type	Interlocking aluminum
Cable Type	Distribution
Construction Type	Armored
Jacket Color	Black
Jacket Marking	Feet
Total Fiber Count	12

Dimensions

Diameter Over Armor	12.07 mm | 0.475 in
Diameter Over Jacket	14.1 mm | 0.555 in

Representative Image

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Outer Jacket
Interlocking Aluminum Armor
Internal I/O Plenum Distribution
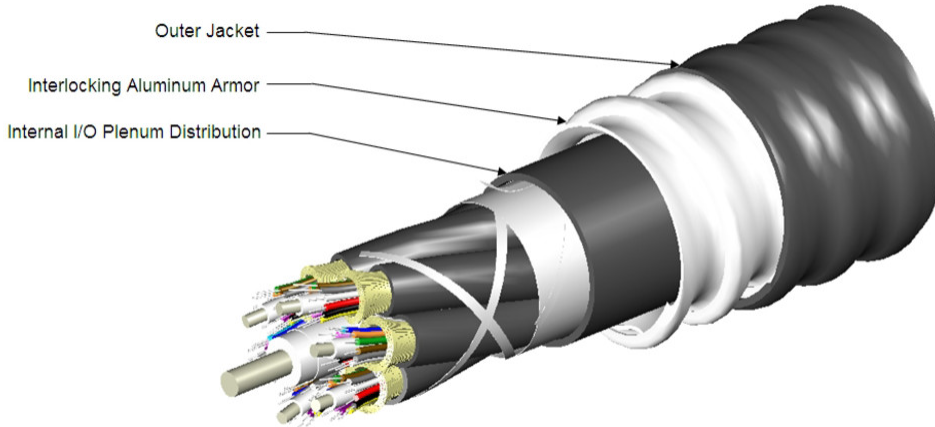
Mechanical Specifications

Minimum Bend Radius, loaded	211 mm	8.307 in
Minimum Bend Radius, unloaded	141 mm	5.551 in
Tensile Load, long term, maximum	400 N	89.924 lbf
Tensile Load, short term, maximum	1335 N	300.12 lbf
Compression	85 N/mm	485.363 lb/in
Compression Test Method	FOTP-41	IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104	IEC 60794-1 E6
Impact	35 N-m	309.776 in lb
Impact Test Method	FOTP-25	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33	IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85	IEC 60794-1 E7
Vertical Rise, maximum	211 m	692.257 ft

Optical Specifications

Fiber Type	OM4, LazrSPEED® 550	OM4, LazrSPEED® 550

Environmental Specifications

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Installation temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-25 °C to +70 °C (-13 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696	Telcordia GR-20 (water penetration for internal cable)	Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFCP (ETL) and c(ETL)
Flame Test Method	NFPA 130	NFPA 262
Jacket UV Resistance	UV stabilized
Water Penentration	24 h
Water Penentration Test Method	FOTP-82	IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze Test Method	IEC 60794-1 F15
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-40 °C to +70 °C (-40 °F to +158 °F)
Low High Bend Test Method	FOTP-37	IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3	IEC 60794-1 F1

Packaging and Weights

Cable weight	194 kg/km	130.362 lb/kft

Regulatory Compliance/Certifications

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

Included Products

CS-5K-TB	–	LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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