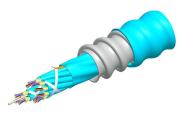# 760256203 | P-048-MZ-5K-F16AQ

Fiber indoor cable, Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 48 fiber multi-unit with 16 fiber subunits, Gel-free, OM4 multi-mode, Feet jacket marking, Aqua jacket color

Product Classification

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

General Specifications

Armor Type	Interlocking aluminum
Cable Type	MPO trunk cable
Construction Type	Armored
Subunit Type	Gel-free
Filler, quantity	1
Jacket Color	Aqua
Jacket Marking	Feet
Subunit, quantity	3
Fibers per Subunit, quantity	16
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	3 mm	0.118 in
Diameter Over Armor	15.88 mm	0.625 in
Diameter Over Jacket	17.9 mm	0.705 in

Representative Image

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Outer Jacket

Interlocking Aluminum Armor

Internal Plenum Loose Tube
Cordage Cable

Mechanical Specifications

Minimum Bend Radius, loaded	269 mm | 10.591 in
Minimum Bend Radius, unloaded	179 mm | 7.047 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	300 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	159 m | 521.654 ft

Optical Specifications

Fiber Type	OM4, LazrSPEED® 550

Environmental Specifications

Installation temperature	0 °C to +70 °C (+32 °F to +158 °F)

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760256203 | P-048-MZ-5K-F16AQ

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-83-596	Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFCP (ETL) and c(ETL)
Flame Test Method	NFPA 130	NFPA 262

Environmental Test Specifications

Heat Age	0 °C to +85 °C (+32 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	0 °C to +70 °C (+32 °F to +158 °F)
Low High Bend Test Method	FOTP-37	IEC 60794-1 E11
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	254 kg/km	170.68 lb/kft

Included Products

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

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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