760128116 | P-024-DZ-CM-FSUAQ/8W012/5K012

Fiber Indoor cable, TeraSPEED® Plenum Distribution, interlocking aluminum armored with plenum jacket, 24 fiber single-unit, Gel-free, Singlemode + Multimode OM4, 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-DZ

General Specifications

Armor Type	Interlocking aluminum
Cable Type	Distribution
Construction Type	Armored
Subunit Type	Gel-free
Jacket Color	Aqua
Jacket Marking	Feet
Composite Fiber Count	12 + 12
Total Fiber Count	24

Dimensions

Diameter Over Armor	13.34 mm	0.525 in
Diameter Over Jacket	17.4 mm	0.685 in

Representative Image

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Outer Jacket
Interlocking Aluminum Armor
Internal Plenum Distribution Cable

Mechanical Specifications

Minimum Bend Radius, loaded	261 mm | 10.276 in
Minimum Bend Radius, unloaded	174 mm | 6.85 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	133 m | 436.352 ft

Optical Specifications

Fiber Type	Composite MM/SM | G.652.D and G.657.A1, TeraSPEED® | OM4, LazrSPEED® 550

Environmental Specifications

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

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Operating Temperature	-20 °C to +70 °C (-4 °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	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °F)
Low High Bend Test Method	FOTP-37	IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3	IEC 60794-1 F1

Packaging and Weights

Cable weight	307 kg/km	206.294 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

Included Products

CS-5K-TB	– LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber
CS-8W-TB	– TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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