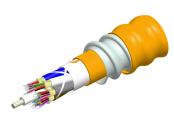# 760127597 | R-024-DZ-CM-FSUOR/8W012/6F012

Fiber Indoor cable, TeraSPEED® Riser Distribution, interlocking aluminum armored with riser jacket, 24 fiber single-unit, Gel-free, Singlemode + Multimode OM1, Feet jacket marking, Orange 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	R-DZ

General Specifications

Armor Type	Interlocking aluminum
Cable Type	Distribution
Construction Type	Armored
Subunit Type	Gel-free
Jacket Color	Orange
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	15.4 mm	0.606 in

Representative Image

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Mechanical Specifications

Minimum Bend Radius, loaded	231 mm | 9.094 in
Minimum Bend Radius, unloaded	154 mm | 6.063 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	209 m | 685.696 ft

Optical Specifications

Fiber Type	Composite MM/SM | G.652.D and G.657.A1, TeraSPEED® | OM1, OptiSPEED®

Environmental Specifications

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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	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596	Telcordia GR-409
Environmental Space	Riser
Flame Test Listing	NEC OFCR (ETL) and c(ETL)
Flame Test Method	UL 1666

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	195 kg/km	131.034 lb/kft

Regulatory Compliance/Certifications

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

Included Products

CS-6F-TB – OptiSPEED® OM1 Multimode Fiber

CS-8W-TB – TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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