760127167 | R-096-DZ-CM-FMUSL/8W048 /6F048

TeraSPEED® Riser Distribution Cable, interlocking aluminum armored with riser jacket, 96 fiber multi-unit with 12 fiber subunits

OBSOLETE

This product was discontinued on: March 30, 2017

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	Slate
Jacket Marking	Feet
Subunit, quantity	8
Fibers per Subunit, quantity	12
Composite Fiber Count	48 + 48
Total Fiber Count	96

Dimensions

Buffer Tube/Subunit Diameter	5.95 mm	0.234 in
Diameter Over Armor	29.85 mm	1.175 in

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| **Diameter Over Jacket** | 31.9 mm | 1.256 in |

Representative Image
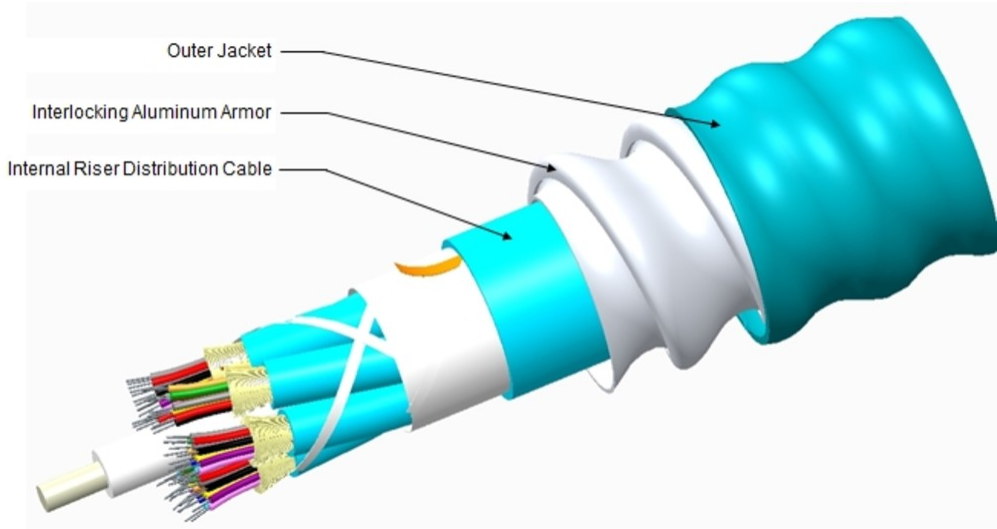
Mechanical Specifications

Minimum Bend Radius, loaded	638 mm	25.118 in
Minimum Bend Radius, unloaded	446 mm	17.559 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	52 m	170.604 ft

Optical Specifications

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

Environmental Specifications

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	786 kg/km	528.168 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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