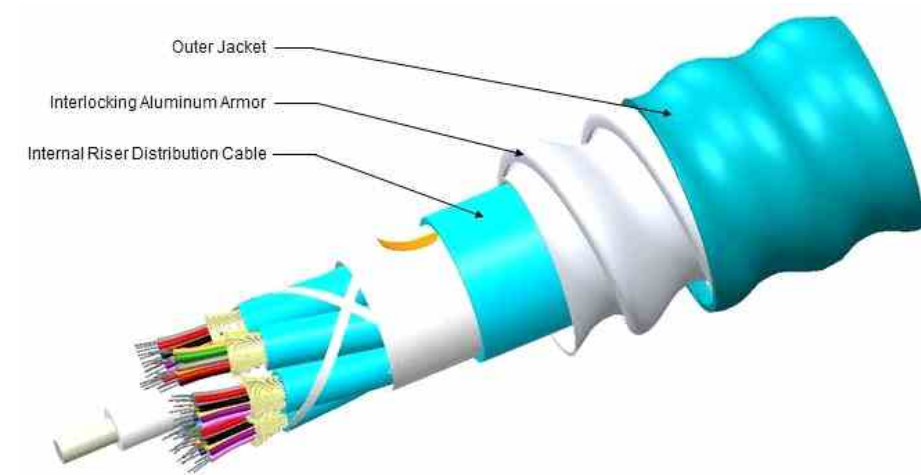# Product Specifications

COMMSCOPE®

760127316 | R-012-DZ-8W-FSUYL

Riser Distribution Cable, interlocking aluminum armored with riser jacket, 12 fiber single-unit

Representative Image

Outer Jacket

Interlocking Aluminum Armor

Internal Riser Distribution Cable

General Specifications

Cable Type	Distribution
Construction Type	Armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Total Fiber Count	12
Armor Type	Interlocking aluminum
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Fiber Type, quantity	12
Jacket Color	Yellow

Dimensions

Cable Weight	146.0 kg/km	98.0 lb/kft
Diameter Over Armor	10.80 mm	0.43 in
Diameter Over Jacket	12.80 mm	0.50 in

Physical Specifications

Minimum Bend Radius, loaded	25.7 cm	10.1 in
Minimum Bend Radius, unloaded	18.0 cm	7.1 in
Tensile Load, long term, maximum	45 lbf	200 N

Product Specifications

Tensile Load, short term, maximum	150 lbf	667 N
Vertical Rise, maximum	140.0 m	459.3 ft

Flame Test Specifications

Flame Test Listing	NEC OFCR (ETL) and c(ETL)
Flame Test Method	UL 1666

Environmental Specifications

Environmental Space	Riser
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)

Mechanical Test Specifications

Compression	485 lb/in	85 N/mm
Compression Test Method	FOTP-41	IEC 60794-1 E3
Flex	25 cycles	
Flex Test Method	FOTP-104	IEC 60794-1 E6
Impact	25.80 ft lb	35.00 N-m
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

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

Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-83-596	Telcordia GR-409

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

Product Specifications

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Included Products

CS-8W-TB   (Product Component—not orderable) —— TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable