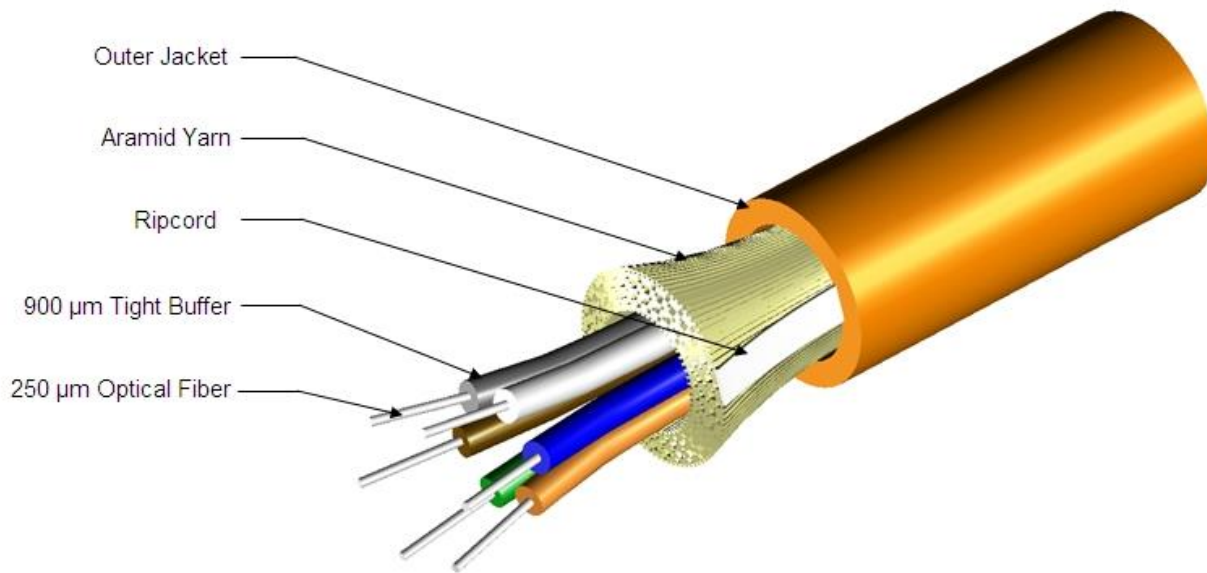# Product Specifications

760004267 | N-012-DS-8W-FSUYL

Low Smoke Zero Halogen Riser Distribution Cable, 12 fiber single-unit

Representative Image

General Specifications

Cable Type	Distribution
Construction Type	Non-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
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Fiber Type, quantity	12
Jacket Color	Yellow

Dimensions

Cable Weight	22.8 lb/kft	34.0 kg/km
Diameter Over Jacket	6.07 mm	0.24 in

Physical Specifications

Minimum Bend Radius, loaded	9.1 cm	3.6 in
Minimum Bend Radius, unloaded	6.1 cm	2.4 in

Product Specifications

COMMSCOPE®

Tensile Load, long term, maximum	45 lbf	200 N	
Tensile Load, short term, maximum	150 lbf	667 N	
Vertical Rise, maximum	500.0 m	1640.4 ft	

Flame Test Specifications

Flame Test Listing	NEC OFNR-LS (ETL) and c(ETL)
Flame Test Method	IEC 60332-3	IEC 60754-2	IEC 61034-2	IEEE 383	UL 1666	UL 1685

Environmental Specifications

Environmental Space	Low Smoke Zero Halogen (LSZH)	Riser
Installation Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

Mechanical Test Specifications

Compression	10 N/mm	57 lb/in
Compression Test Method	FOTP-41	IEC 60794-1 E3
Flex	100 cycles
Flex Test Method	FOTP-104	IEC 60794-1 E6
Impact	4.34 ft lb	5.88 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	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-40 °C to +70 °C (-40 °F to +158 °F)
Low High Bend Test Method	FOTP-37	IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °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

RoHS COMPLIANT

Included Products

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