Product Specifications

760004184 | Z-012-DS-8W-FSUBK/D

TeraSPEED® Indoor/Outdoor Low Smoke Zero Halogen Riser Distribution Cable, 12 fiber single-unit
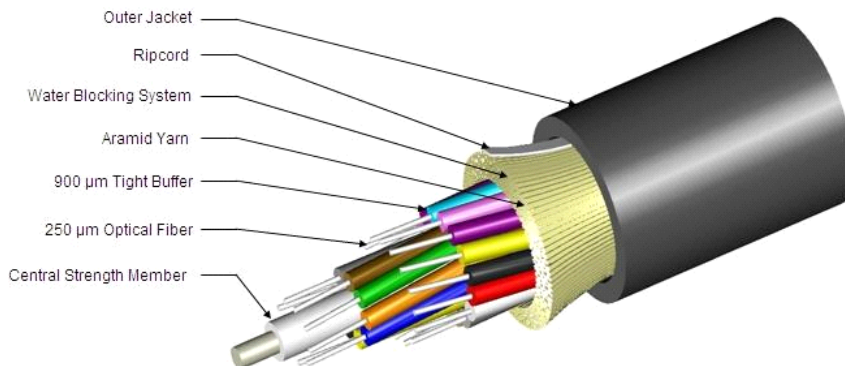
Product Classification

Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America

Standards And Qualifications

EN50575 CPR Cable EuroClass	Dca	s1a	d1	a2
Cable Qualification Standards	ANSI/ICEA S-104-696	EN 187105	Telcordia GR-20 (water penetration)	Telcordia GR-409

Representative Image

General Specifications

Construction Type	Non-armored
Cable Type	Distribution

Construction Materials

Total Fiber Count	12
Fiber Type	G.652.D and G.657.A1 , TeraSPEED®
Fiber Type Solution	G.652.D and G.657.A1 , TeraSPEED®
Fiber Type, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Cable Weight	33.0 lb/kft | 49.0 kg/km
Diameter Over Jacket	7.20 mm | 0.28 in

Physical Specifications

Minimum Bend Radius, loaded	10.8 cm | 4.3 in
Minimum Bend Radius, unloaded	7.2 cm | 2.8 in
Tensile Load, long term, maximum	120 lbf | 534 N
Tensile Load, short term, maximum	400 lbf | 1780 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 +75 °C (-40 °F to +167 °F)

Mechanical Test Specifications

Compression	126 lb/in | 22 N/mm
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
Water Penentration	24 h
Water Penentration Test Method	FOTP-82 | IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze Test Method	IEC 60794-1 F15
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

Regulatory Compliance/Certifications

760004184 | Z-012-DS-8W-FSUBK/D

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

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable