Product Specifications

760009753 | Z-006-DS-8W-FSUBK/D

TeraSPEED® Indoor/Outdoor Low Smoke Zero Halogen Riser Distribution Cable, 6 fiber single-unit
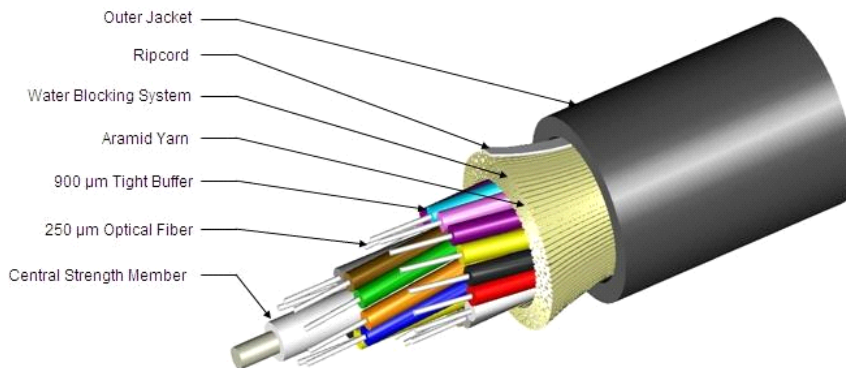
Product Classification

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

Outer Jacket
Ripcord
Water Blocking System
Aramid Yarn
900 µm Tight Buffer
250 µm Optical Fiber
Central Strength Member

General Specifications

Construction Type	Non-armored
Cable Type	Distribution

Construction Materials

Total Fiber Count	6
Fiber Type	G.652.D and G.657.A1 , TeraSPEED®
Fiber Type Solution	G.652.D and G.657.A1 , TeraSPEED®
Fiber Type, quantity	6
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

COMMSCOPE®

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Cable Weight	17.5 lb/kft	26.0 kg/km
Diameter Over Jacket	5.50 mm	0.22 in

Physical Specifications

Minimum Bend Radius, loaded	8.3 cm	3.3 in
Minimum Bend Radius, unloaded	5.5 cm	2.2 in
Tensile Load, long term, maximum	90 lbf	400 N
Tensile Load, short term, maximum	300 lbf	1335 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

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