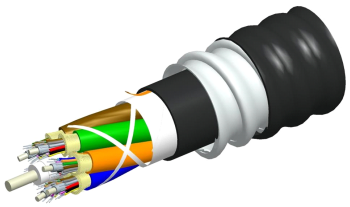
760134924 | P-012-OZ-8W-FSUBK



TeraSPEED® Indoor/Outdoor Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 12 fiber single-unit

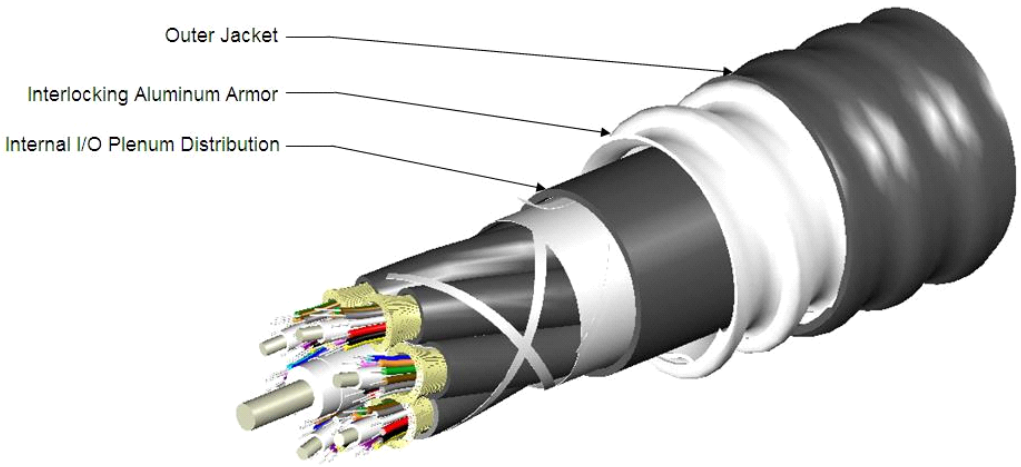
Product Classification

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

Standards And Qualifications

Cable Qualification Standards	ANSI/ICEA S-104-696 | Telcordia GR-20 (water penetration for internal cable) | Telcordia GR-409

Representative Image



General Specifications

Construction Type	Armored
Cable Type	Distribution

Construction Materials

Fiber Type Solution	G.652.D and G.657.A1 , TeraSPEED®
Total Fiber Count	12

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Armor Type	Interlocking aluminum
Fiber Type	G.652.D and G.657.A1, TeraSPEED®
Fiber Type, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Cable Weight	130.0 lb/kft | 194.0 kg/km
Diameter Over Armor	12.07 mm | 0.48 in
Diameter Over Jacket	14.10 mm | 0.56 in

Physical Specifications

Minimum Bend Radius, loaded	28.2 cm | 11.1 in
Minimum Bend Radius, unloaded	19.7 cm | 7.8 in
Tensile Load, long term, maximum	90 lbf | 400 N
Tensile Load, short term, maximum	300 lbf | 1335 N
Vertical Rise, maximum	211.0 m | 692.3 ft

Flame Test Specifications

Flame Test Listing	NEC OFCP (ETL) and c(ETL)
Flame Test Method	NFPA 262

Environmental Specifications

Environmental Space	Plenum
Installation Temperature	-30 °C to +70 °C (-22 °F to +158 °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	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

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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 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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