760134957 | P-048-0Z-8W-FMUBK



Fiber indoor/outdoor cable, TeraSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, Singlemode G.652.D and G.657.A1, 48 fiber multi-unit with 12 fiber subunits, Black jacket color, Feet cable marking

Product Classification

Regional Availability	Asia Australia/New Zealand Latin America Middle East /Africa North America	
Portfolio	CommScope®	
Product Type	Fiber indoor/outdoor cable	
Product Series	P-OZ	
General Specifications		
Armor Type	Interlocking aluminum	
Cable Type	Distribution	
Construction Type	Armored	
Subunit Type	Gel-free	
Jacket Color	Black	
Jacket Marking	Feet	
Subunit, quantity	4	
Fibers per Subunit, quantity	12	
Total Fiber Count	48	
Dimensions		
Buffer Tube/Subunit Diameter	6.9 mm 0.272 in	
Diameter Over Armor	24.77 mm 0.975 in	
Diameter Over Jacket	26.8 mm 1.055 in	

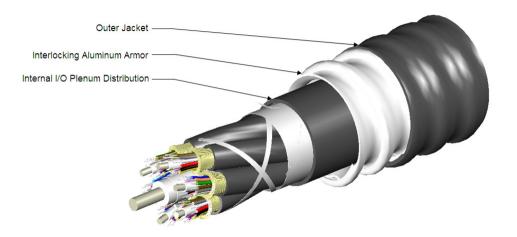
Representative Image

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Mechanical Specifications

Minimum Bend Radius, loaded	402 mm 15.827 in
Minimum Bend Radius, unloaded	268 mm 10.551 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1335 N 300.12 lbf
Compression	85 N/mm 485.363 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	35 N-m 309.776 in lb
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
Vertical Rise, maximum	69 m 226.378 ft
Ontical Specifications	

Optical Specifications

Fiber Type

G.652.D and G.657.A1, TeraSPEED®

Environmental Specifications

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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)
Cable Qualification Standards	ANSI/ICEA S-104-696 Telcordia GR-20 (water penetration for internal cable) Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFCP (ETL) and c(ETL)
Flame Test Method	NFPA 130 NFPA 262
Jacket UV Resistance	UV stabilized
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

Packaging and Weights

Cable weight

Agency

595 kg/km | 399.822 lb/kft

Regulatory Compliance/Certifications

Classification

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

Included Products

CS-8W-TB - TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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