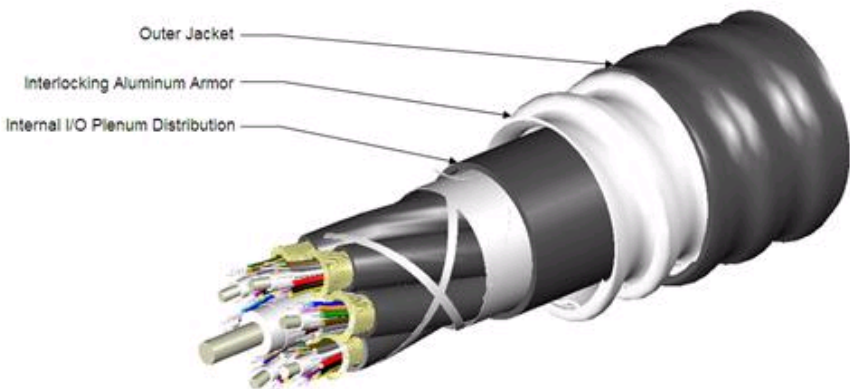




760134973 | P-144-OZ-5K-FMUBK

Indoor/Outdoor Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 144 fiber multi-unit with 12 fiber subunits

Representative Image



General Specifications

Cable Type	Distribution
Construction Type	Armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	LazrSPEED® 550, 50 µm multimode fiber
Total Fiber Quantity	144
Armor Type	Interlocking aluminum
Fiber Type	LazrSPEED® 550, 50 µm multimode fiber
Fiber Type, quantity	144
Fibers Per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	6.90 mm 0.27 in
Cable Weight	821.0 lb/kft 1222.0 kg/km
Diameter Over Armor	36.20 mm 1.43 in
Diameter Over Jacket	38.20 mm 1.50 in
Subunit, quantity	12

Physical Specifications

Minimum Bend Radius, loaded	76.5 cm		30.1 in
Minimum Bend Radius, unloaded	53.5 cm		21.1 in
Tensile Load, long term, maximum	90 lbf		400 N
Tensile Load, short term, maximum	300 lbf		1335 N
Vertical Rise, maximum	33.0 m		108.3 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 60794-1-2, Section 7
Flex	25 cycles		
Flex Test Method	FOTP-104		IEC 60794-1-2, Section 10
Impact	25.80 ft lb		35.00 N-m
Impact Test Method	FOTP-25		IEC 60794-1-2, Section 8
Strain	See long and short term tensile loads		
Strain Test Method	FOTP-33		IEC 60794-1-2, Section 5
Twist	10 cycles		
Twist Test Method	FOTP-85		IEC 60794-1-2, Section 11
Water Penetration	24 h		
Water Penetration Test Method	FOTP-82		IEC 60794-1-2, Section 24

Environmental Test Specifications

Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	Not applicable
Low High Bend	-40 °C to +70 °C (-40 °F to +158 °F)
Low High Bend Test Method	FOTP-28 IEC 60794-1-2, Section 28
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 IEC 60794-1-2, Section 22

Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-104-696-2001 Telcordia GR-20-CORE Issue 3 (water penetration for internal cable) Telcordia GR-409-CORE Issue 2
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Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



Included Products

CS-5K-TB (Product Component—not orderable) — LazrSPEED® 550 OM4 Multimode Fiber