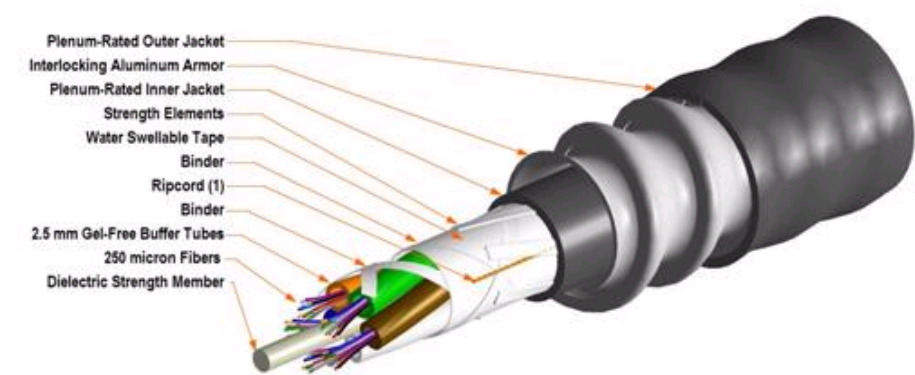




760120253 | P-144-LZ-8W-F12BK/25D

FiberGuard Indoor/Outdoor Plenum Rated Stranded Loose Tube Gel-Free Cable

Representative Image



General Specifications

Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber
Total Fiber Quantity	144
Armor Type	Interlocking aluminum
Fiber Type	TeraSPEED®, zero water peak singlemode fiber
Fiber Type, quantity	144
Fibers Per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	2.50 mm 0.10 in
Cable Weight	330.0 lb/kft 491.0 kg/km
Diameter Over Armor	22.20 mm 0.87 in
Diameter Over Jacket	24.30 mm 0.96 in
Subunit, quantity	12

Physical Specifications

Minimum Bend Radius, loaded	48.5 cm 19.1 in
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Minimum Bend Radius, unloaded	34.0 cm 13.4 in
Tensile Load, long term, maximum	90 lbf 400 N
Tensile Load, short term, maximum	1335 N 300 lbf
Vertical Rise, maximum	106.0 m 347.8 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	483 lb/in 85 N/mm
Compression Test Method	FOTP-41 IEC 60794-1-2, Section 7
Flex	25 cycles
Flex Test Method	FOTP-24 IEC 60794-1-2, Section 10
Impact	25.81 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

Cable Freeze	-2 °C 28 °F
Cable Freeze Test Method	FOTP-98
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	Not applicable
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °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 EN 187105 Telcordia GR -409-CORE Issue 2
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Regulatory Compliance/Certifications

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



Included Products

CS-8W-LT (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber