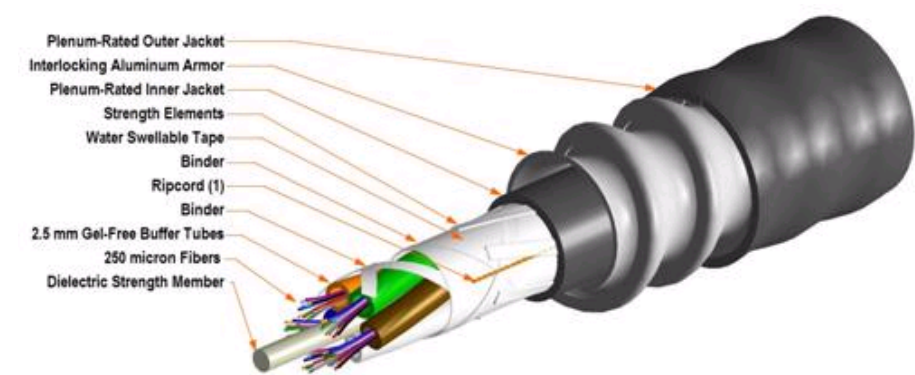




760140939 | P-024-LZ-8W-F12BK/25D
FiberGuard Indoor/Outdoor Plenum Rated Stranded Loose Tube Arid-Core® Cable

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	24
Armor Type	Interlocking aluminum
Fiber Type	TeraSPEED®, zero water peak singlemode fiber
Fiber Type, quantity	24
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	192.0 lb/kft 286.0 kg/km
Diameter Over Armor	15.90 mm 0.63 in
Diameter Over Jacket	17.90 mm 0.70 in
Filler, quantity	3
Subunit, quantity	2

Physical Specifications

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Minimum Bend Radius, loaded	35.8 cm		14.1 in
Minimum Bend Radius, unloaded	25.1 cm		9.9 in
Tensile Load, long term, maximum	90 lbf		400 N
Tensile Load, short term, maximum	1335 N		300 lbf
Vertical Rise, maximum	143.0 m		469.2 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

760140939 | P-024-LZ-8W-F12BK/25D

Agency

RoHS 2002/95/EC
ISO 9001:2008

Classification

Compliant
Designed, manufactured and/or distributed under this quality management system



Included Products

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