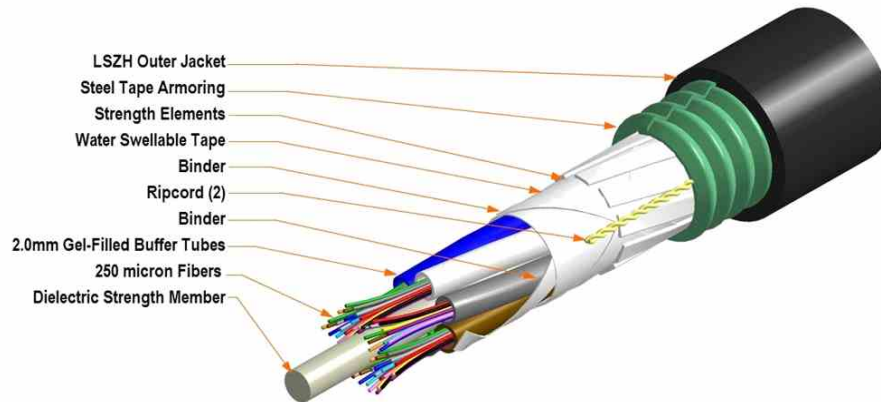


760122028 | Z-012-LA-8W-F12BK/20G

Indoor/Outdoor, Mini Single Jacket/Single Armor,Riser Rated, Low Smoke Zero Halogen (LSZH), Gel-Filled, Stranded Loose Tube Cable

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

Representative Image



General Specifications

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

Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1 OS2)
Total Fiber Count	12
Armor Type	Corrugated steel
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1 OS2)
Fiber Type, quantity	12
Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	2.00 mm 0.08 in
Cable Weight	183.0 kg/km 123.0 lb/kft
Diameter Over Jacket	12.30 mm 0.48 in
Filler, quantity	5
Subunit, quantity	1

Physical Specifications

Minimum Bend Radius, loaded	18.5 cm 7.3 in
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Minimum Bend Radius, unloaded	12.3 cm		4.8 in
Tensile Load, long term, maximum	180 lbf		800 N
Tensile Load, short term, maximum	2700 N		607 lbf
Vertical Rise, maximum	447.0 m		1466.5 ft

Flame Test Specifications

Flame Test Listing	NEC OFCR-LS (ETL) and c(ETL)		
Flame Test Method	IEC 60332-3		IEC 60754-2 IEC 61034-2 IEEE 383 UL 1666 UL 1685

Environmental Specifications

Environmental Space	Aerial, lashed Buried Low Smoke Zero Halogen (LSZH) Riser		
Installation Temperature	-30 °C to +60 °C (-22 °F to +140 °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	250 lb/in		44 N/mm
Compression Test Method	FOTP-41		IEC 60794-1 E3
Flex	35 cycles		
Flex Test Method	FOTP-104		IEC 60794-1 E6
Impact	2.21 ft lb		3.00 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		
Twist Test Method	FOTP-85		IEC 60794-1 E7
Water Penetration	24 h		
Water Penetration Test Method	FOTP-82		IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze	-2 °C		28 °F
Cable Freeze Test Method	FOTP-98		IEC 60794-1 F15
Drip	70 °C		158 °F
Drip Test Method	FOTP-81		IEC 60794-1 E14
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)		
Heat Age Test Method	IEC 60794-1 F9		
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °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

Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-104-696		EN 187105 Telcordia GR-20 Telcordia GR-409
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Regulatory Compliance/Certifications

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Agency

RoHS 2011/65/EU
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

*** Footnotes**

Operating Temperature Specification applicable to non-terminated bulk fiber cable