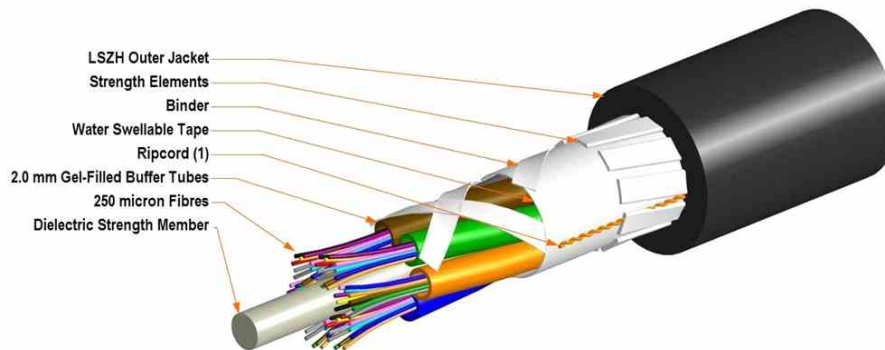




760091728 | Z-006-LN-8W-F06BK/20G

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

## Representative Image



## General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-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	6
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1   OS2)
Fiber Type, quantity	6
Fibers per Subunit, quantity	6
Jacket Color	Black
Jacket UV Resistance	UV stabilized

## Dimensions

Buffer Tube/Subunit Diameter	2.00 mm   0.08 in
Cable Weight	127.0 kg/km   85.0 lb/kft
Diameter Over Jacket	11.00 mm   0.43 in
Filler, quantity	5
Subunit, quantity	1

## Physical Specifications

Minimum Bend Radius, loaded	16.5 cm   6.5 in
Minimum Bend Radius, unloaded	11.0 cm   4.3 in
Tensile Load, long term, maximum	180 lbf   800 N
Tensile Load, short term, maximum	2700 N   607 lbf
Vertical Rise, maximum	643.0 m   2110.0 ft

## Flame Test Specifications

Flame Test Listing	NEC OFNR-LS (ETL) and c(ETL)
Flame Test Method	IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 1202   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	125 lb/in   22 N/mm
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	2.17 ft lb   2.94 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-409
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## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



## Included Products

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

## \* Footnotes

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Operating Temperature Specification applicable to non-terminated bulk fiber cable