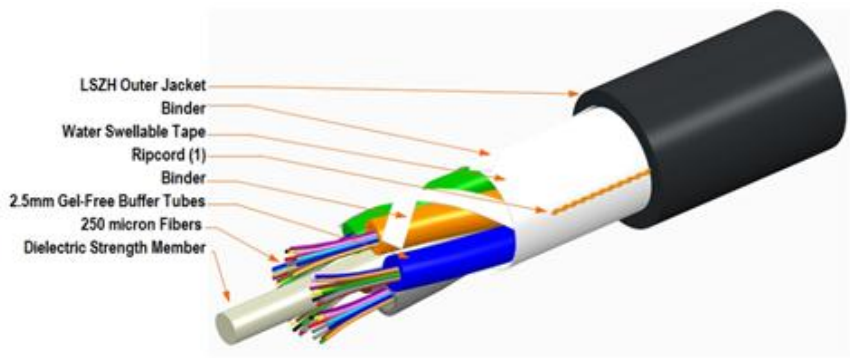


760154815 | Z-096-LN-8V-F12BK/25D

Indoor/Outdoor, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), Gel-Free, Stranded Loose Tube Cable

## Representative Image



## General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-free

## Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber (G.652.D or G.652.D   OS2)
Total Fiber Count	96
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D or G.652.D   OS2)
Fiber Type, quantity	96
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	114.0 lb/kft   169.0 kg/km
Diameter Over Jacket	13.60 mm   0.54 in
Filler, quantity	0
Subunit, quantity	8

## Physical Specifications

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Minimum Bend Radius, loaded	20.4 cm		8.0 in
Minimum Bend Radius, unloaded	13.6 cm		5.4 in
Tensile Load, long term, maximum	180 lbf		800 N
Tensile Load, short term, maximum	2700 N		607 lbf
Vertical Rise, maximum	484.0 m		1588.0 ft

## Flame Test Specifications

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Flame Test Listing	NEC OFN-LS (ETL) and c(ETL)		
Flame Test Method	IEC 60332-3	IEC 60754-2	IEC 61034-2   IEEE 1202   IEEE 383   UL 1685

## Environmental Specifications

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Environmental Space	Aerial, lashed	Buried	Low Smoke Zero Halogen (LSZH)
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

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Compression	125 lb/in		22 N/mm
Compression Test Method	FOTP-41		IEC 60794-1-2, Section 7
Flex	35 cycles		
Flex Test Method	FOTP-24		IEC 60794-1-2, Section 10
Impact	2.21 ft lb		3.00 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

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Cable Freeze	-2 °C		28 °F
Cable Freeze Test Method	FOTP-98		
Drip	70 °C		158 °F
Drip Test Method	FOTP-81		IEC 60794-1-2, Section 17
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

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Cable Qualification Standards      ANSI/ICEA S-104-696-2001 | EN 187105 | Telcordia GR-20-CORE Issue 3 | Telcordia GR-409-CORE Issue 2

## 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

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