# 760258787 | Z-004-LA-8W-F04BK/25D



Fiber indoor/outdoor cable, TeraSPEED®, Single Jacket/Single Armor, Low Smoke Zero Halogen (LSZH), 4 fiber, Singlemode G.652.D and G. 657.A1, Gel-Free, Stranded Loose Tube, Black jacket color, Feet jacket marking

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

### Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	Z-LA
General Specifications	
Armor Type	Corrugated steel
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free
Filler, quantity	4
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	1
Fibers per Subunit, quantity	4
Total Fiber Count	4
Dimensions	
Buffer Tube/Subunit Diameter	2.5 mm   0.098 in
Diameter Over Jacket	13 mm   0.512 in

### Representative Image

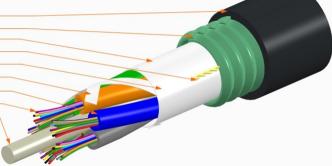
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LSZH Outer Jacket Steel Tape Armoring Binder Ripcord (2) Water Swellable Tape Binder 2.5mm Gel-Free Buffer Tubes 250 micron Fibers Dielectric Strength Member



## Mechanical Specifications

Minimum Bend Radius, loaded	195 mm   7.677 in
Minimum Bend Radius, unloaded	130 mm   5.118 in
Tensile Load, long term, maximum	800 N   179.847 lbf
Tensile Load, short term, maximum	2700 N   606.984 lbf
Compression	22 N/mm   125.623 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	3 N-m   26.552 in lb
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
Vertical Rise, maximum	461 m   1,512.467 ft
Optical Specifications	
Fiber Type	G.652.D and G.657.A1, TeraSPEED®   OS2   OS2

#### Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

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Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696   EN 187105   Telcordia GR-20   Telcordia GR-409
Environmental Space	Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)
Flame Test Listing	NEC OFC-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 1202   UL 1685
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	FOTP-82   IEC 60794-1 F5

#### **Environmental Test Specifications**

Cable Freeze	-2 °C   28.4 °F
Cable Freeze Test Method	FOTP-98   IEC 60794-1 F15
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

### Packaging and Weights

#### Cable weight

177 kg/km | 118.939 lb/kft

### Included Products

CS-8W-IOLT - TeraSPEED® OS2 Singlemode Fiber

### \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

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