

TeraSPEED® Indoor/Outdoor, Double Jacket All-Dielectric, Tray Rated, Low Smoke Zero Halogen (LSZH), Gel-Free, High Tensile Strength, Provides Rodent Resistance, Stranded Loose Tube Cable

## Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	Z-LD

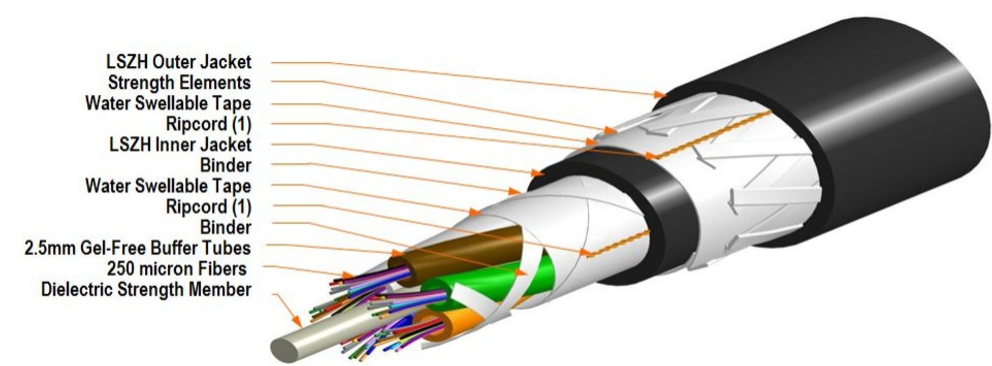
## General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-free
Filler, quantity	4
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	2
Fibers per Subunit, quantity	12
Total Fiber Count	24

## Dimensions

Buffer Tube/Subunit Diameter	2.5 mm   0.098 in
Diameter Over Jacket	17.3 mm   0.681 in

## Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	260 mm   10.236 in
Minimum Bend Radius, unloaded	173 mm   6.811 in
Tensile Load, long term, maximum	1500 N   337.214 lbf
Tensile Load, short term, maximum	4500 N   1,011.64 lbf
Compression	175 N/mm   999.276 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	5.88 N-m   52.042 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	490 m   1,607.612 ft

Optical Specifications

Fiber Type	G.652.D and G.657.A1, TeraSPEED®   OS2   OS2
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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)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

Cable Qualification Standards	ANSI/ICEA S-87-640   EN 187105   Telcordia GR-20   UL 1277
Environmental Space	Aerial, lashed   Buried   Cable tray   Low Smoke Zero Halogen (LSZH)
Flame Test Listing	NEC OFN-LS (ETL) and c(ETL)
Flame Test Method	CSA FT4   IEC 60332-3   IEC 60754-2   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	313 kg/km   210.326 lb/kft
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### Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

### \* Footnotes

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