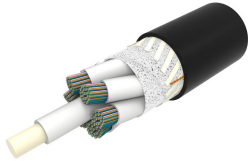


Fiber indoor/outdoor cable, All-Dielectric, LSZH, Riser-Rated, Gel-Free, Loose Tube Rollable Ribbon, 1728 fiber, Singlemode G.657.A2, Feet jacket marking, Black jacket color, Cca flame rating



## Product Classification

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

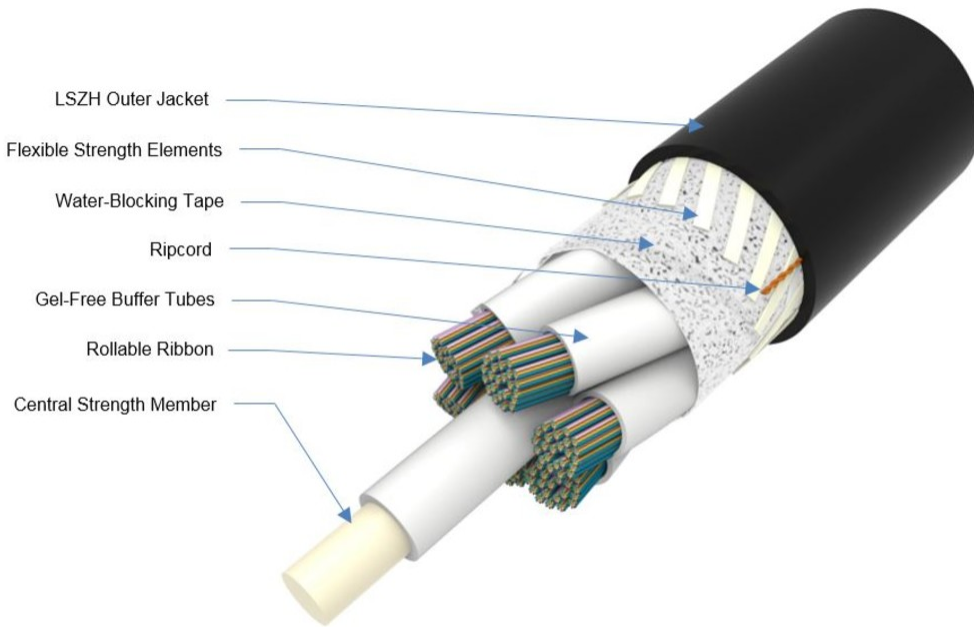
## General Specifications

<b>Cable Type</b>	Ribbon loose tube
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Fibers per Ribbon, quantity</b>	12
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Feet
<b>Fibers per Subunit, quantity</b>	288
<b>Total Fiber Count</b>	1728

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	6.2 mm   0.244 in
<b>Diameter Over Jacket</b>	23 mm   0.906 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	343 mm   13.504 in
<b>Minimum Bend Radius, storage coils</b>	343 mm   13.504 in
<b>Minimum Bend Radius, unloaded</b>	343 mm   13.504 in
<b>Tensile Load, long term, maximum</b>	800 N   179.847 lbf
<b>Tensile Load, short term, maximum</b>	2700 N   606.984 lbf
<b>Compression</b>	22 N/mm   125.623 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	4.4 N-m   38.943 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7

## Optical Specifications

<b>Fiber Type</b>	G.657.A2   G.657.A2, TeraSPEED®
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## Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.30 dB/km @ 1,550 nm | 0.4 dB/km @ 1,310 nm | 0.40 dB/km @ 1,385 nm

## 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 +70 °C (-40 °F to +158 °F)  
**Cable Qualification Standards** ANSI/ICEA S-87-640 | Telcordia GR-20-CORE Issue 4  
**EN50575 CPR Cable EuroClass Fire Performance** Cca  
**EN50575 CPR Cable EuroClass Smoke Rating** s1b  
**EN50575 CPR Cable EuroClass Droplets Rating** d1  
**EN50575 CPR Cable EuroClass Acidity Rating** a1  
**Environmental Space** Low Smoke Zero Halogen (LSZH)  
**Flame Test Listing** NEC OFNR-ST1 (UL) and c(UL)  
**Flame Test Method** CSA FT4 | UL 1666  
**Jacket UV Resistance** UV stabilized  
**Water Penetration Test Method** FOTP-82 | IEC 60794-1 F5

## Environmental Test Specifications

**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** 584 kg/km | 392.43 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system



## Included Products

- CS-8G1-RR-I/O – Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Rollable Ribbon Fiber (ITU-T G.657.A2, B2)

## \* Footnotes

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