



Fiber indoor/outdoor cable, loose tube gel-filled CST, 144 fiber, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor/outdoor cable
<b>Product Series</b>	C-LA

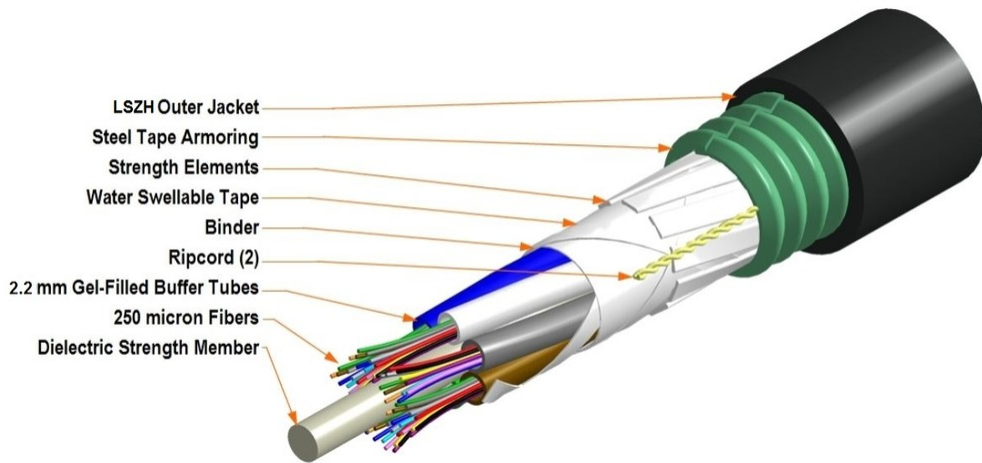
## General Specifications

<b>Armor Type</b>	Corrugated steel
<b>Cable Type</b>	Stranded loose tube
<b>Construction Type</b>	Armored
<b>Subunit Type</b>	Gel-filled
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Subunit, quantity</b>	12
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	144

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2.2 mm   0.087 in
<b>Diameter Over Jacket</b>	16.6 mm   0.654 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	332 mm   13.071 in
<b>Minimum Bend Radius, unloaded</b>	166 mm   6.535 in
<b>Tensile Load, short term, maximum</b>	2000 N   449.618 lbf
<b>Compression</b>	15 N/mm   85.652 lb/in
<b>Compression Test Method</b>	IEC 60794-1-2 E3
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	IEC 60794-1-21 E1

## Optical Specifications

<b>Fiber Type</b>	G.652.D and G.657.A1   OS2
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## Optical Specifications, Wavelength Specific

<b>Attenuation, maximum</b>	0.22 dB/km @ 1,550 nm   0.36 dB/km @ 1,310 nm
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## Environmental Specifications

<b>Installation temperature</b>	-10 °C to +60 °C (+14 °F to +140 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Environmental Space</b>	Buried   Ducted   Indoor/Outdoor   Low Smoke Zero Halogen (LSZH)
<b>Flame Test Method</b>	IEC 60332-1   IEC 60332-3-24   IEC 60754-2   IEC 61034-2
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5B

## Environmental Test Specifications

**Temperature Cycle** -40 °C to +70 °C (-40 °F to +158 °F)

**Temperature Cycle Test Method** IEC 60794-1-2 F1

## Packaging and Weights

**Cable weight** 301 kg/km | 202.263 lb/kft

## Included Products

CS-8Z-LT - Low Water Peak, Dispersion-Unshifted Singlemode Fiber

## \* Footnotes

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