



Fiber indoor cable, Low Smoke Zero Halogen Indoor Distribution, 12 fiber single-unit, Singlemode G.657.A1, Meters jacket marking, Yellow jacket color

## Product Classification

<b>Regional Availability</b>	China
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor cable
<b>Product Series</b>	L-DS
<b>Country Specific for</b>	China

## General Specifications

<b>Cable Type</b>	Tight buffer
<b>Jacket Color</b>	Yellow
<b>Jacket Marking</b>	Meters
<b>Strength Members</b>	E-glass yarns
<b>Total Fiber Count</b>	12

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	0.9 mm   0.035 in
<b>Diameter Over Jacket</b>	6.4 mm   0.252 in

## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	128 mm   5.039 in
<b>Minimum Bend Radius, unloaded</b>	64 mm   2.52 in
<b>Tensile Load, long and short term</b>	See Sag and Tension tables in Product Documentation section
<b>Tensile Load, long term, maximum</b>	198 N   44.512 lbf
<b>Tensile Load, short term, maximum</b>	660 N   148.374 lbf
<b>Cable Crush Resistance, maximum</b>	10 N/mm   57.101 lb/in
<b>Compression</b>	10 N/mm   57.101 lb/in
<b>Compression Test Method</b>	IEC 60794-1 E3   IEC 60794-1-2 E3
<b>Strain</b>	See long and short term tensile loads

**Strain Test Method** IEC 60794-1-2-E1

## Optical Specifications

**Fiber Type** G.652.D and G.657.A1

## Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.3 dB/km @ 1,550 nm | 0.3 dB/km @ 1,625 nm | 0.40 dB/km @ 1,310 nm

## Environmental Specifications

**Installation temperature** -20 °C to +60 °C (-4 °F to +140 °F)

**Operating Temperature** -20 °C to +60 °C (-4 °F to +140 °F)

**Storage Temperature** -20 °C to +60 °C (-4 °F to +140 °F)

**Cable Qualification Standards** Telcordia GR-409

**Environmental Space** Low Smoke Zero Halogen (LSZH) | Low Smoke Zero Halogen (LSZH)

**Flame Test Listing** B2

**Flame Test Method** GB/T 31247

## Environmental Test Specifications

**Temperature Cycle** -20 °C to +60 °C (-4 °F to +140 °F)

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

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

CS-8Z-TB-0.40/0.30/093 – Low Water Peak, Dispersion-Unshifted Singlemode Fiber

## \* Footnotes

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