

Single Jacket All-Dielectric, Gel-Free, Indoor Stranded Microsheath Tube Cable

## Product Classification

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

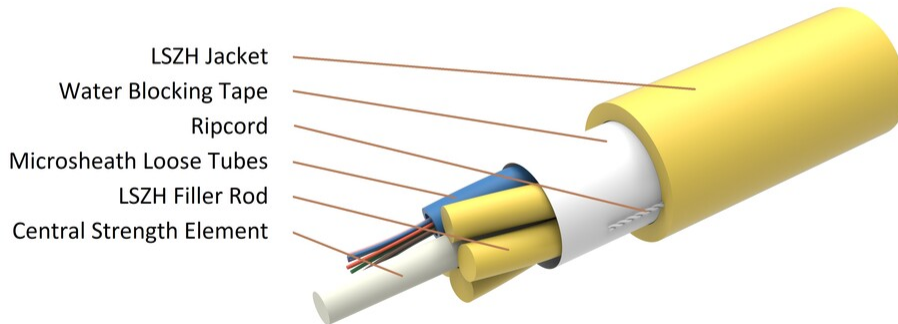
## General Specifications

<b>Cable Type</b>	Stranded microsheat tube
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Filler, quantity</b>	4
<b>Jacket Color</b>	Yellow
<b>Jacket Marking</b>	Custom printing
<b>Jacket Marking Method</b>	Inkjet
<b>Jacket Marking Text</b>	COMMSCOPE GB OPTICAL CABLE 810010177/DB 12 X G657A1 EN50575 CLASS C ULSZH [Serial number] [metre mark]
<b>Subunit, quantity</b>	1
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	12

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	1.5 mm   0.059 in
<b>Diameter Over Jacket</b>	6.7 mm   0.264 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, unloaded</b>	80 mm   3.15 in
<b>Tensile Load, long term, maximum</b>	150 N   33.721 lbf
<b>Tensile Load, short term, maximum</b>	480 N   107.908 lbf
<b>Compression</b>	10 N/mm   57.101 lb/in
<b>Compression Test Method</b>	IEC 60794-1 E3
<b>Impact</b>	2 N-m   17.701 in lb
<b>Impact Test Method</b>	IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	IEC 60794-1 E1

## Optical Specifications

<b>Fiber Type</b>	G.657.A1, TeraSPEED®
-------------------	----------------------

## Environmental Specifications

<b>Installation temperature</b>	0 °C to +50 °C (+32 °F to +122 °F)
<b>Operating Temperature</b>	-10 °C to +60 °C (+14 °F to +140 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	IEC 60794-1-2
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	B2ca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a

# 810010177/DB | L-012-LN-8W-M12YL/15D/B

---

<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d0
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)
<b>Flame Test Listing</b>	EN 50399
<b>Flame Test Method</b>	EN 50399   IEC 60332-1-2   IEC 60754-2   IEC 61034-2

## Environmental Test Specifications

<b>Temperature Cycle</b>	-10 °C to +60 °C (+14 °F to +140 °F)
<b>Temperature Cycle Test Method</b>	IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	49 kg/km   32.926 lb/kft
---------------------	--------------------------

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

CS-8W-LT	- TeraSPEED® G652D/G657A1 Singlemode Fiber
----------	--

## \* Footnotes

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