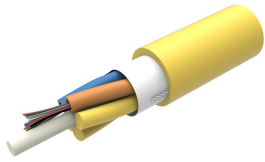


# 810010178/DB | L-024-LN-8W-M12YL/15D/B



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

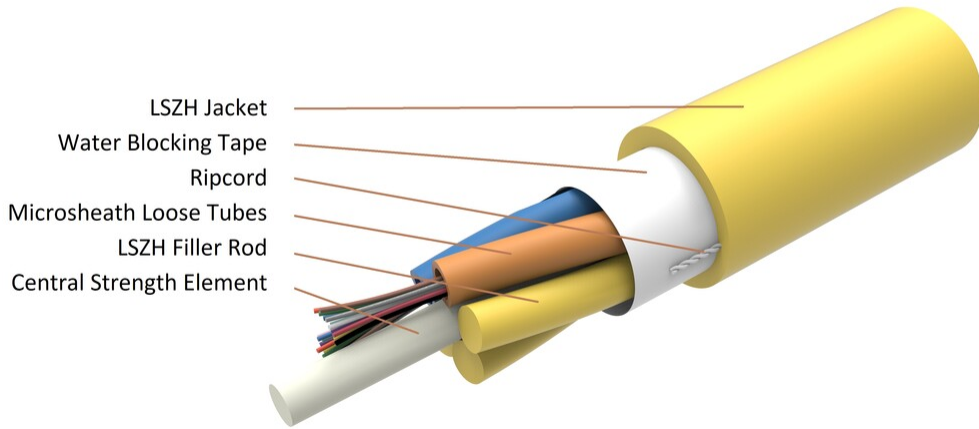
## General Specifications

<b>Cable Type</b>	Stranded microsheat tube
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Filler, quantity</b>	3
<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 810010178/DB 24 X G657A1 EN50575 CLASS C ULSZH [Serial number] [metre mark]
<b>Subunit, quantity</b>	2
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	24

## 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



## Material Specifications

**Inner Jacket Material** Low Smoke Zero Halogen (LSZH)

## Mechanical Specifications

**Minimum Bend Radius, unloaded** 80 mm | 3.15 in

**Tensile Load, long term, maximum** 150 N | 33.721 lbf

**Tensile Load, short term, maximum** 480 N | 107.908 lbf

**Compression** 10 N/mm | 57.101 lb/in

**Compression Test Method** IEC 60794-1 E3

**Impact** 2 N-m | 17.701 in lb

**Impact Test Method** IEC 60794-1 E4

**Strain** See long and short term tensile loads

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

## Optical Specifications

**Fiber Type** G.652.D and G.657.A1, TeraSPEED®

## Environmental Specifications

**Installation temperature** 0 °C to +50 °C (+32 °F to +122 °F)

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

# 810010178/DB | L-024-LN-8W-M12YL/15D/B

---

<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
<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)

## 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>	48.8 kg/km   32.792 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