# 810010180/DB | L-072-LN-8W-M12YL/15D/B



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

#### Product Classification

| Regional Availability        | Asia   Australia/New Zealand   EMEA   Latin America   |
|------------------------------|---|
| Portfolio                    | CommScope®  |
| Product Type                 | Fiber indoor cable  |
| Product Series               | L-LN  |
| General Specifications       |   |
| Cable Type                   | Stranded microsheath tube   |
| Construction Type            | Non-armored   |
| Subunit Type                 | Gel-free  |
| Jacket Color                 | Yellow  |
| Jacket Marking               | Custom printing   |
| Jacket Marking Method        | Inkjet  |
| Jacket Marking Text          | COMMSCOPE GB OPTICAL CABLE 810010178/DB 24 X G657A1 EN50575<br>CLASS C ULSZH [Serial number] [metre mark] |
| Subunit, quantity            | 6   |
| Fibers per Subunit, quantity | 12  |
| Total Fiber Count            | 48  |
| Dimensions                   |   |
| Buffer Tube/Subunit Diameter | 1.5 mm   0.059 in   |
| Diameter Over Jacket         | 7.2 mm   0.283 in   |
|                              |   |

Representative Image

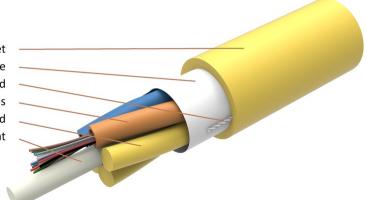
Page 1 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 21, 2025



## 810010180/DB | L-072-LN-8W-M12YL/15D/B

LSZH Jacket Water Blocking Tape Ripcord Microsheath Loose Tubes LSZH Filler Rod Central Strength Element



### Material Specifications

Inner Jacket Material

#### Mechanical Specifications

Low Smoke Zero Halogen (LSZH)

| Minimum Bend Radius, unloaded     | 96 mm   3.78 in                       |
|-----------------------------------|---------------------------------------|
| Tensile Load, long term, maximum  | 150 N   33.721 lbf                    |
| Tensile Load, short term, maximum | 600 N   134.885 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                        |
| Twist                             | 5 cycles                              |
| Twist Test Method                 | IEC 60794-1 E7                        |
| Optical Specifications            |                                       |

#### Fiber Type

G.652.D and G.657.A1, TeraSPEED®

### **Environmental Specifications**

Page 2 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 21, 2025

**COMMSCOPE**°

# 810010180/DB | L-072-LN-8W-M12YL/15D/B

| Installation temperature                                    | 0 °C to +50 °C (+32 °F to +122 °F)   |  |
|---|--------------------------------------|--|
| Operating Temperature                                       | -10 °C to +60 °C (+14 °F to +140 °F) |  |
| Storage Temperature   | -40 °C to +70 °C (-40 °F to +158 °F) |  |
| Cable Qualification Standards                               | IEC 60794-1-2                        |  |
| EN50575 CPR Cable EuroClass Fire Performance                | B2ca                                 |  |
| EN50575 CPR Cable EuroClass Smoke Rating                    | s1a                                  |  |
| EN50575 CPR Cable EuroClass Droplets Rating                 | d0                                   |  |
| EN50575 CPR Cable EuroClass Acidity Rating                  | a1                                   |  |
| Environmental Space   | Low Smoke Zero Halogen (LSZH)        |  |
| Environmental Test Specifications                           |                                      |  |
| Temperature Cycle   | -10 °C to +60 °C (+14 °F to +140 °F) |  |
| Temperature Cycle Test Method                               | IEC 60794-1 F1                       |  |
| Packaging and WeightsCable weight69.5 kg/km   46.702 lb/kft |                                      |  |
|   | 09.0 kg/km   10.7 02 lb/kit          |  |
| CS-8W-LT – TeraSPEED® G652D/G657A1 Singlemode<br>Fiber      |                                      |  |

### \* Footnotes

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

Page 3 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 21, 2025

