

Fiber indoor/outdoor cable, High Tensile Strength, LSZH, LazrSPEED® Multimode OM4, 72 fiber, Mini All-Dielectric Single Jacket, Gel-Filled, Stranded Loose Tube, Black jacket color, Dca flame rating, Provides Rodent Resistance

Product Classification

|                       |                                     |
|-----------------------|-------------------------------------|
| Regional Availability | Asia   Australia/New Zealand   EMEA |
| Portfolio             | CommScope®                          |
| Product Type          | Fiber indoor/outdoor cable          |
| Product Series        | C-LN                                |

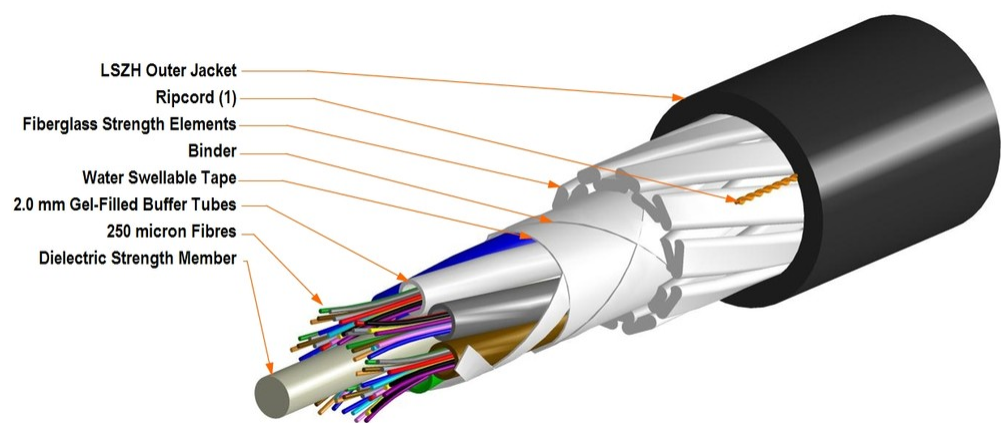
General Specifications

|                              |   |
|------------------------------|---|
| Cable Type                   | Stranded loose tube   |
| Construction Type            | Non-armored   |
| Subunit Type                 | Gel-filled  |
| Jacket Color                 | Black   |
| Jacket Marking               | Meters  |
| Jacket Marking Method        | Inkjet  |
| Jacket Marking Text          | COMMScope GB OPTICAL CABLE 810009769 /DB 72X OS2 SM LSZH EN50575 CLASS D [SERIAL NUMBER] [METER MARK] |
| Subunit, quantity            | 6   |
| Fibers per Subunit, quantity | 12  |
| Total Fiber Count            | 72  |

Dimensions

|                              |                    |
|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in    |
| Diameter Over Jacket         | 12.8 mm   0.504 in |

Representative Image



## Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 193 mm   7.598 in                     |
| Minimum Bend Radius, unloaded     | 128 mm   5.039 in                     |
| Tensile Load, long term, maximum  | 1350 N   303.492 lbf                  |
| Tensile Load, short term, maximum | 4500 N   1,011.641 lbf                |
| Compression                       | 22 N/mm   125.623 lb/in               |
| Compression Test Method           | IEC 60794-1 E3                        |
| Flex                              | 25 cycles                             |
| Flex Test Method                  | IEC 60794-1 E6                        |
| Impact                            | 4.41 N-m   39.032 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                             | 10 cycles                             |
| Twist Test Method                 | IEC 60794-1 E7                        |
| Vertical Rise, maximum            | 816 m   2,677.165 ft                  |

## Optical Specifications

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

## Environmental Specifications

|                          |                                      |
|--------------------------|--------------------------------------|
| Installation temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
| Operating Temperature    | -40 °C to +70 °C (-40 °F to +158 °F) |

# 810010378/DB | C-072-LN-5K-M12BK/20G/HTS/D

|  |   |
|--|---|
| Storage Temperature                          | -40 °C to +75 °C (-40 °F to +167 °F)                    |
| Cable Qualification Standards                | EN 187105   IEC 60794-1-2                               |
| EN50575 CPR Cable EuroClass Fire Performance | Dca   |
| EN50575 CPR Cable EuroClass Smoke Rating     | s2  |
| EN50575 CPR Cable EuroClass Droplets Rating  | d0  |
| EN50575 CPR Cable EuroClass Acidity Rating   | a1  |
| Environmental Space                          | Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH) |
| Flame Test Method                            | IEC 60332-1-2   IEC 60754-2   IEC 61034-2               |
| Jacket UV Resistance                         | UV stabilized   |
| Water Penetration                            | 24 h  |
| Water Penetration Test Method                | IEC 60794-1 F5  |

## Environmental Test Specifications

|                               |                                      |
|-------------------------------|--------------------------------------|
| Cable Freeze                  | -2 °C   28.4 °F                      |
| Cable Freeze Test Method      | IEC 60794-1 F15                      |
| Heat Age                      | -40 °C to +85 °C (-40 °F to +185 °F) |
| Heat Age Test Method          | IEC 60794-1 F9                       |
| Low High Bend                 | -30 °C to +60 °C (-22 °F to +140 °F) |
| Low High Bend Test Method     | IEC 60794-1 E11                      |
| Temperature Cycle             | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1 F1                       |

## Packaging and Weights

|              |                           |
|--------------|---------------------------|
| Cable weight | 178 kg/km   119.61 lb/kft |
|--------------|---------------------------|

## 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

# 810010378/DB | C-072-LN-5K-M12BK/20G/HTS/D

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NW-OM4B-LT – 50µm OM4 Bend-Insensitive Multimode  
Fiber

## \* Footnotes

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