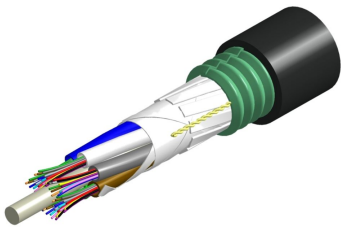


# 760250077 | C-072-LA-5K-M12BK/25G/GY/FS



Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket/Single Armor, 90 min Fire Survival, Low Smoke Zero Halogen (LSZH), 72 fiber, Multimode OM4, Gel-Filled, Stranded Loose Tube, Black jacket color, Meters cable marking

## Product Classification

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

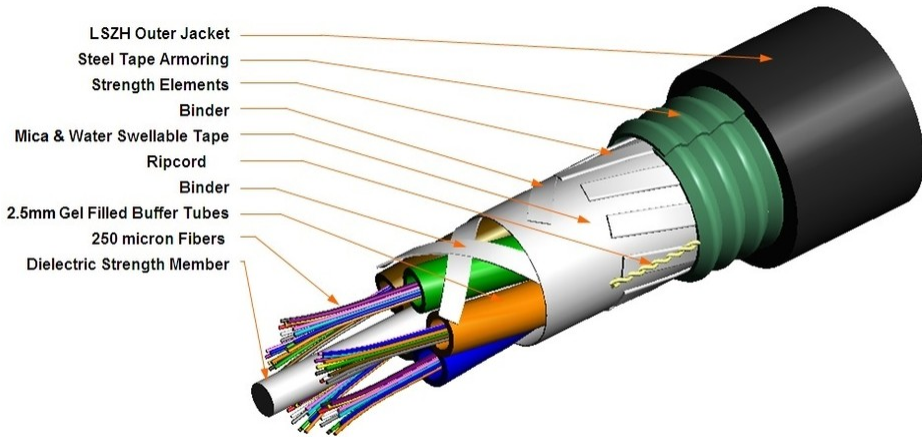
## General Specifications

|                                     |   |
|-------------------------------------|---|
| <b>Armor Type</b>                   | Corrugated steel  |
| <b>Cable Type</b>                   | Stranded loose tube   |
| <b>Construction Type</b>            | Armored   |
| <b>Subunit Type</b>                 | Gel-filled  |
| <b>Jacket Color</b>                 | Black   |
| <b>Jacket Marking</b>               | Meters  |
| <b>Jacket Marking Method</b>        | Inkjet  |
| <b>Jacket Marking Text</b>          | COMMSCOPE GB OPTICAL CABLE 760250077 72x50/125 OM4 ULSZH [Serial number] [metre mark] |
| <b>Subunit, quantity</b>            | 6   |
| <b>Fibers per Subunit, quantity</b> | 12  |
| <b>Total Fiber Count</b>            | 72  |

## Dimensions

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 2.5 mm   0.098 in |
| <b>Diameter Over Jacket</b>         | 14 mm   0.551 in  |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 330 mm   12.992 in                    |
| <b>Minimum Bend Radius, unloaded</b>     | 200 mm   7.874 in                     |
| <b>Tensile Load, long term, maximum</b>  | 1200 N   269.771 lbf                  |
| <b>Tensile Load, short term, maximum</b> | 4000 N   899.236 lbf                  |
| <b>Compression</b>                       | 20 N/mm   114.203 lb/in               |
| <b>Compression Test Method</b>           | IEC 60794-1 E3                        |
| <b>Impact</b>                            | 5 N-m   44.254 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                        |
| <b>Twist</b>                             | 5 cycles                              |
| <b>Twist Test Method</b>                 | IEC 60794-1 E7                        |

## Optical Specifications

|                   |                       |
|-------------------|-----------------------|
| <b>Fiber Type</b> | OM4   OM4, LazrSPEED® |
|-------------------|-----------------------|

## Environmental Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Operating Temperature</b>         | -30 °C to +70 °C (-22 °F to +158 °F) |
| <b>Storage Temperature</b>           | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Cable Qualification Standards</b> | EN 187105   IEC 60794-1-2            |

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|                                      |  |
|--------------------------------------|--|
| <b>Environmental Space</b>           | Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)  |
| <b>Flame Test Method</b>             | IEC 60331-25   IEC 60332-1   IEC 60332-3-24   IEC 60754-1   IEC 60754-2   IEC 61034-2   NES 713 (<=5 - jacket material only) |
| <b>Jacket UV Resistance</b>          | UV stabilized  |
| <b>Water Penetration</b>             | 24 h   |
| <b>Water Penetration Test Method</b> | IEC 60794-1 F5   |

## Environmental Test Specifications

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Low High Bend Test Method</b>     | IEC 60794-1 E11                     |
| <b>Temperature Cycle</b>             | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | IEC 60794-1 F1                      |

## Packaging and Weights

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 240 kg/km   161.273 lb/kft |
|---------------------|----------------------------|

## Included Products

|          |   |   |
|----------|---|---|
| CS-5K-LT | - | LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber |
|----------|---|---|

## \* Footnotes

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