

Fiber indoor/outdoor cable, TeraSPEED®, Single Jacket/Single Armor, 90 min Fire Survival, Low Smoke Zero Halogen (LSZH), 12 fiber, Singlemode G.652.D and G.657.A1, Gel-Filled, Stranded Loose Tube, Black jacket color, Meters cable marking

## Product Classification

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

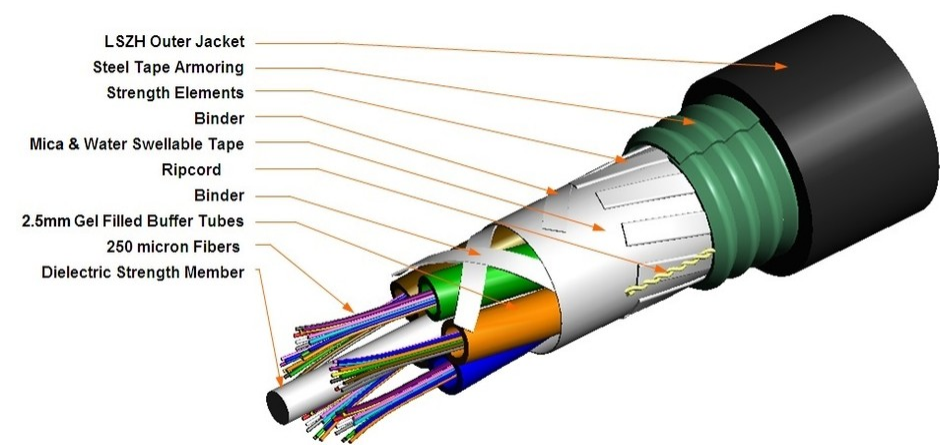
## General Specifications

|                              |                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------|
| Armor Type                   | Corrugated steel                                                                          |
| Cable Type                   | Stranded loose tube                                                                       |
| Construction Type            | Armored                                                                                   |
| Subunit Type                 | Gel-filled                                                                                |
| Filler, quantity             | 5                                                                                         |
| Jacket Color                 | Black                                                                                     |
| Jacket Marking               | Meters                                                                                    |
| Jacket Marking Method        | Inkjet                                                                                    |
| Jacket Marking Text          | COMMScope GB OPTICAL CABLE 760245384 12x9/125 G652D ULSZH<br>[Serial number] [metre mark] |
| Subunit, quantity            | 1                                                                                         |
| Fibers per Subunit, quantity | 12                                                                                        |
| Total Fiber Count            | 12                                                                                        |

## Dimensions

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

Representative Image



Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 330 mm   12.992 in                    |
| Minimum Bend Radius, unloaded     | 200 mm   7.874 in                     |
| Tensile Load, long term, maximum  | 1200 N   269.771 lbf                  |
| Tensile Load, short term, maximum | 4000 N   899.236 lbf                  |
| Compression                       | 20 N/mm   114.203 lb/in               |
| Compression Test Method           | IEC 60794-1 E3                        |
| Impact                            | 5 N-m   44.254 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®   OS2 |
|------------|----------------------------------------|

Environmental Specifications

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
| Storage Temperature   | -40 °C to +70 °C (-40 °F to +158 °F) |

# 760245384 | C-012-LA-8W-M12BK/25G/GY/FS

|                                              |                                                                                                                              |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Cable Qualification Standards                | EN 187105   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                          | Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)                                                                      |
| Flame Test Method                            | 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) |
| Jacket UV Resistance                         | UV stabilized                                                                                                                |
| Water Penetration                            | 24 h                                                                                                                         |
| Water Penetration Test Method                | IEC 60794-1 F5                                                                                                               |

## Environmental Test Specifications

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

## Packaging and Weights

|              |                            |
|--------------|----------------------------|
| Cable weight | 240 kg/km   161.273 lb/kft |
|--------------|----------------------------|

## \* Footnotes

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