

Indoor/outdoor fiber cable, TeraSPEED® Single Jacket/Single GRP Armor, Gel-filled, Stranded Loose Tube, Singlemode OS2, black Provides Rodent Resistance.

Product Classification

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

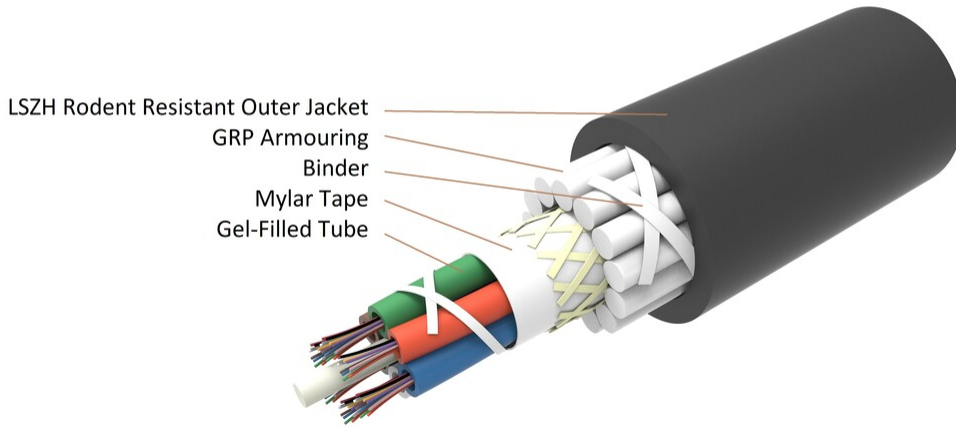
General Specifications

| | |
|-------------------------------------|---|
| Armor Type | Non-metallic rods |
| Cable Type | Stranded loose tube |
| Construction Type | Armored |
| Subunit Type | Gel-filled |
| Filler, quantity | 2 |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB OPTICAL CABLE OS2 SM 24 FIBER EN50575 CLASS Dca [SERIAL NUMBER] [MM/YY] [METRE MARK] |
| Subunit, quantity | 2 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 24 |

Dimensions

| | |
|-------------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2 mm 0.079 in |
| Diameter Over Jacket | 12.4 mm 0.488 in |

Representative Image



Mechanical Specifications

| | |
|---|---------------------------------------|
| Minimum Bend Radius, loaded | 290 mm 11.417 in |
| Minimum Bend Radius, unloaded | 217 mm 8.543 in |
| Tensile Load, long term, maximum | 6000 N 1,348.854 lbf |
| Compression | 40 N/mm 228.406 lb/in |
| Compression Test Method | IEC 60794-1 E3 |
| Flex | 25 cycles |
| Impact | 20 N-m 177.015 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

| | |
|---------------------------------|-------------------------------------|
| Installation temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
|---------------------------------|-------------------------------------|

760255361 | C-024-LA-8W-M12BK/20G/GRP/D

| | |
|---|--|
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Cable Qualification Standards | IEC 60794-1-2 |
| EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s2 |
| EN50575 CPR Cable EuroClass Droplets Rating | d2 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Aerial, lashed Buried |
| Flame Test Listing | EN 50399 |
| Flame Test Method | EN 50399 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

| | |
|--------------------------------------|-------------------------------------|
| Heat Age | -20 °C to +85 °C (-4 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -20 °C to +70 °C (-4 °F to +158 °F) |
| 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 | 172 kg/km 115.579 lb/kft |
|---------------------|----------------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|---|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



Included Products

760255361 | C-024-LA-8W-M12BK/20G/GRP/D

CS-8W-LT - TeraSPEED® G652D/G657A1 Singlemode
Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable