



TeraSPEED® Single Jacket/Single GRP Armor, Gel, Indoor/Outdoor Stranded Loose Tube cable. Provides Rodent Resistance. Tube Colours Red, Green, 10 x Natural

- GRP armor is strong yet flexible, providing additional crush and rodent protection

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

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|-------------------------------------|---|
| Armor Type | Non-metallic rods |
| Cable Type | Stranded loose tube |
| Construction Type | Armored |
| Subunit Type | Gel-filled |
| Jacket Color | Yellow |
| Jacket Marking | Meters |
| Jacket Marking Method | Laser |
| Jacket Marking Text | COMMSCOPE GB OPTICAL CABLE [MID] 144 X G652D EN50575 CLASS D ULSZH [MM/YY] [Serial number] [metre mark] |
| Subunit, quantity | 12 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 144 |

Dimensions

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|-------------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2.5 mm 0.098 in |
| Diameter Over Jacket | 21.7 mm 0.854 in |

Material Specifications

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|------------------------------|-------------------------------|
| Inner Jacket Material | Low Smoke Zero Halogen (LSZH) |
|------------------------------|-------------------------------|

Mechanical Specifications

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|--|---------------------------------------|
| Minimum Bend Radius, loaded | 432 mm 17.008 in |
| Minimum Bend Radius, unloaded | 324 mm 12.756 in |
| Tensile Load, long term, maximum | 2000 N 449.618 lbf |
| Tensile Load, short term, maximum | 6000 N 1,348.854 lbf |
| Compression | 40 N/mm 228.406 lb/in |
| Compression Test Method | IEC 60794-1 E3 |
| Impact | 15 N-m 132.761 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

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| Fiber Type | G.652.D and G.657.A1, TeraSPEED® OS2 |
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Environmental Specifications

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|---|--------------------------------------|
| Installation temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °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 | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1 |
| EN50575 CPR Cable EuroClass Droplets Rating | d2 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Aerial, lashed Buried |
| Flame Test Method | IEC 60332-1-2 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | IEC 60794-1 F5 |

Environmental Test Specifications

760256743 | C-144-LA-8W-M12YL/25G/GRP/D

| | |
|--------------------------------------|--------------------------------------|
| Heat Age | 0 °C to +85 °C (+32 °F to +185 °F) |
| Temperature Cycle | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1 F1 |

Packaging and Weights

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|---------------------|---------------------------|
| Cable weight | 452 kg/km 303.73 lb/kft |
|---------------------|---------------------------|

Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable