



G652.D compliant fiber drop cable for Indoor/Outdoor use , Gel-filled loose tube, 12 fiber, Meter jacket marking, Black

Product Classification

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

General Specifications

| | |
|------------------------------|--------------------|
| Cable Type | Central loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 12 |

Dimensions

| | |
|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2 mm 0.079 in |
| Diameter Over Jacket | 5.05 mm 0.199 in |

Mechanical Specifications

| | |
|------------------------------------|------------------------|
| Minimum Bend Radius, loaded | 50 mm 1.969 in |
| Minimum Bend Radius, storage coils | 50 mm 1.969 in |
| Minimum Bend Radius, unloaded | 50 mm 1.969 in |
| Tensile Load, long term, maximum | 400 N 89.924 lbf |
| Tensile Load, short term, maximum | 1500 N 337.214 lbf |
| Cable Crush Resistance, maximum | 15 N/mm 85.652 lb/in |
| Compression | 15 N/mm 85.652 lb/in |

760255703 | C-012-DN-8M-M12BK/20G/09H-IN00

| | |
|-------------------------|----------------------|
| Compression Test Method | IEC 60794-1-2 E3 |
| Impact | 3 N-m 26.552 in lb |
| Impact Test Method | IEC 60794-1 E4 |
| Twist | 5 cycles |
| Twist Test Method | IEC 60794-1 E7 |

Optical Specifications

| | |
|------------|---------|
| Fiber Type | G.652.D |
|------------|---------|

Optical Specifications, Wavelength Specific

| | |
|----------------------|---|
| Attenuation, maximum | 0.30 dB/km @ 1,550 nm 0.40 dB/km @ 1,310 nm |
|----------------------|---|

Environmental Specifications

| | |
|-------------------------------|---|
| Installation temperature | -15 °C to +40 °C (+5 °F to +104 °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 |
| Environmental Space | Drop Universal Low Smoke Zero Halogen (ULSZH) |
| Flame Test Listing | IEC 60332-1-2 |
| Flame Test Method | EN 50399 IEC 60754-2 IEC 61034-2 |
| Water Penetration | 24 h |

Environmental Test Specifications

| | |
|-------------------------------|--------------------------------------|
| Temperature Cycle | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1-2 F1 |

Packaging and Weights

| | |
|--------------|--------------------------|
| Cable weight | 30 kg/km 20.159 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

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable