

Indoor/Outdoor Fiber Optic Drop cable, 1 Fiber G657.B3 0.9mm tight buffer. Breaking load Max 2000N. Suitable for installation under overhead power lines $\leq 11\text{kV}$, vertical clearance $\geq 1.8\text{m}$.

Fire retardant Outside plant LSZH jacket grade, suitable for drop / aerial installations of up to 68 m. Can be routed indoor.

Product Classification

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

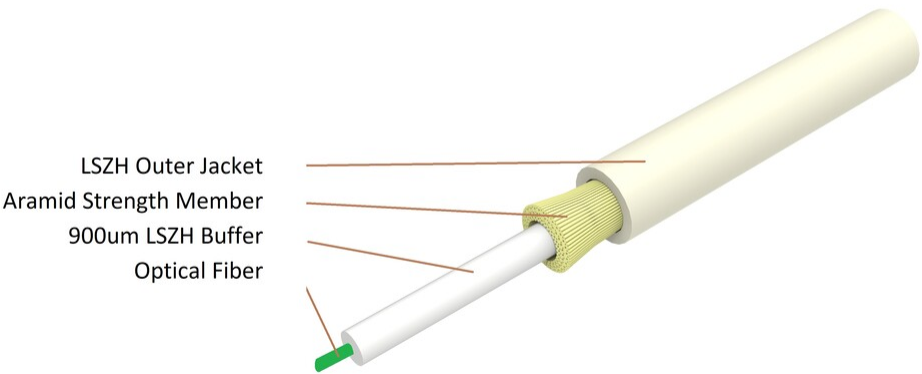
General Specifications

| | |
|------------------------------|--|
| Cable Type | Drop Tight buffer |
| Construction Type | All Dielectric Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | White |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB OPTICAL CABLE 810010113/DB 1x G657A2 SM LSZH [DOM] [SERIAL NUMBER] [METER MARK] |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 1 |
| Total Fiber Count | 1 |

Dimensions

| | |
|------------------------------|----------------------|
| Cable Length | 1000 m 3,280.84 ft |
| Buffer Tube/Subunit Diameter | 0.9 mm 0.035 in |
| Diameter Over Jacket | 3 mm 0.118 in |

Representative Image



Material Specifications

Jacket Material

Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded

30 mm | 1.181 in

Tensile Load, long term, maximum

300 N | 67.443 lbf

Tensile Load, short term, maximum

620 N | 139.382 lbf

Compression

20 N/mm | 114.203 lb/in

Compression Test Method

IEC 60794-1 E3

Impact

2 N-m | 17.701 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

10 cycles

Twist Test Method

IEC 60794-1 E7

Optical Specifications

Fiber Type

G.657.A2 | G.657.B3

Environmental Specifications

| | |
|--|---|
| Installation temperature | 0 °C to +40 °C (+32 °F to +104 °F) |
| Operating Temperature | 0 °C to +70 °C (+32 °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 | Cca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1a |
| EN50575 CPR Cable EuroClass Droplets Rating | d0 |
| EN50575 CPR Cable EuroClass Acidity Rating | a2 |
| Environmental Space | Aerial Drop Ducted Indoor/Outdoor |
| Flame Test Listing | EN 50399 |
| Flame Test Method | 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

| | |
|-------------------------------|--------------------------------------|
| Temperature Cycle | -30 °C to +60 °C (-22 °F to +140 °F) |
| Temperature Cycle Test Method | IEC 60794-1-22 F1 |

Packaging and Weights

| | |
|----------------|--------------------------|
| Cable weight | 8.7 kg/km 5.846 lb/kft |
| Packaging Type | CablePak® Reel in box |

Regulatory Compliance/Certifications

| Agency | Classification |
|------------|-----------------------------------|
| CHINA-ROHS | Below maximum concentration value |
| ROHS | Compliant |
| UK-ROHS | Compliant |



Included Products

| | | |
|-----------|---|---|
| CS-8V2-MP | – | Enhanced Low Macrobending, Low Water Peak, Dispersion-Unshifted Single-mode Fiber |
|-----------|---|---|

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable