

Fiber Indoor/Outdoor Drop Cable, FTTH, 2 fibers, Singlemode, G.657.A2, Gel-free, Meters jacket marking, Yellow jacket color, Dca Flame Rating

- designed to offer flexibility, strength and compact construction for internal and interbuilding use
- non-metallic construction reinforced by E-glass yarns, which provide rodent resistance and higher tensile strength
- oversheathed with a ULSZH jacket meeting IEC fire performance requirements

Product Classification

Regional Availability	Asia EMEA
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-DN

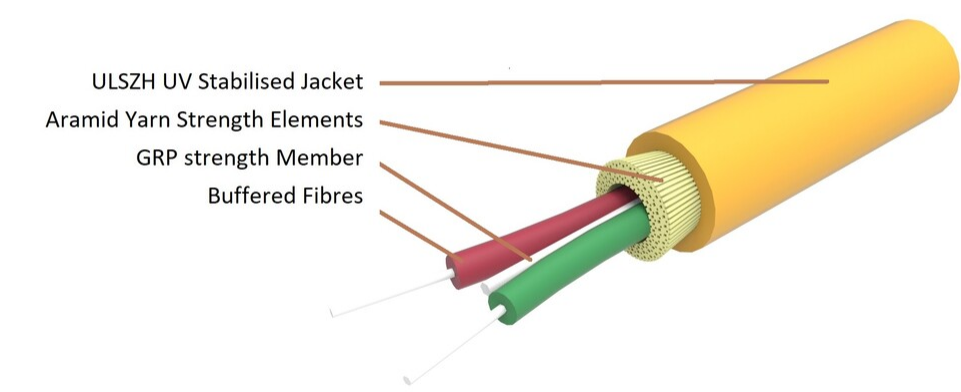
General Specifications

Cable Type	Drop Semi-tight buffer
Jacket Color	Yellow
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Strength Members	Central fiber reinforced polymer (FRP) rod
Subunit, quantity	2
Fibers per Subunit, quantity	1
Total Fiber Count	2
Buffer Type	Semi-tight

Dimensions

Cable Length	1000 m 3,280.84 ft
Buffer Tube/Subunit Diameter	0.9 mm 0.035 in
Diameter Over Jacket	4 mm 0.157 in

Representative Image



Material Specifications

Inner Jacket Material

Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded

100 mm | 3.937 in

Minimum Bend Radius, unloaded

60 mm | 2.362 in

Tensile Load, long term, maximum

600 N | 134.885 lbf

Tensile Load, short term, maximum

1200 N | 269.771 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

Twist

5 cycles

Twist Test Method

IEC 60794-1 E7

Optical Specifications

Fiber Type

G.657.A2, TeraSPEED®

Optical Specifications, Wavelength Specific

Attenuation, maximum

0.50 dB/km @ 1,310 nm | 0.50 dB/km @ 1,550 nm

Standards Compliance

IEC 60794-1 | ITU-T G.657.A2

Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Storage Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Drop Low Smoke Zero Halogen (LSZH)
Water Penetration	24 h

Environmental Test Specifications

Temperature Cycle	-30 °C to +60 °C (-22 °F to +140 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1

Packaging and Weights

Cable weight	16.3 kg/km 10.953 lb/kft
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Included Products

CS-8G-TB	–	Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable