



Fiber indoor/outdoor cable, 12 Fiber, Single Jacket Armor, LSZH, Gel-Filled, Central Loose Tube, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

Product Classification

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

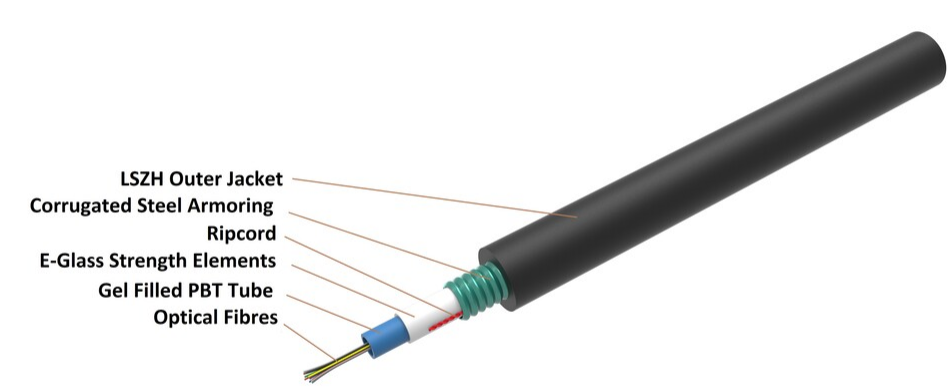
General Specifications

Armor Type	Corrugated steel
Cable Type	Central loose tube
Construction Type	Armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMScope GB SYSTEM F.O.CABLE 810009868/DB CSA GEL LOOSE TUBE 12X9 /125 OS2 ULSZH (Serial NUMBER) (METRE MARK)
Subunit, quantity	1
Fibers per Subunit, quantity	12
Total Fiber Count	12

Dimensions

Buffer Tube/Subunit Diameter	2.8 mm   0.11 in
Diameter Over Jacket	10 mm   0.394 in

Representative Image



## Mechanical Specifications

Minimum Bend Radius, loaded	210 mm   8.268 in
Minimum Bend Radius, unloaded	160 mm   6.299 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	1250 N   281.011 lbf
Compression	30 N/mm   171.304 lb/in
Compression Test Method	IEC 60794-1 E3
Impact	5 N-m   44.254 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
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## Environmental Specifications

Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	EN 187105   IEC 60794-1-2
Environmental Space	Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-1   IEC 60754-1   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

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	135 kg/km   90.716 lb/kft
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### Included Products

CS-8W-250-EMEA – LightScope® ZWP Singlemode Fiber  
8W-250um

### \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable