2-599687-4

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
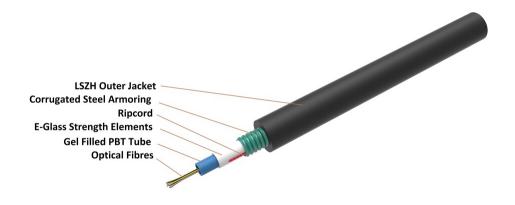
Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North 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

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Labels (top to bottom):
- LSZH Outer Jacket
- Corrugated Steel Armoring
- Ripcord
- E-Glass Strength Elements
- Gel Filled PBT Tube
- Optical Fibres

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

Environmental Specifications

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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

Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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