810009868/DB | C-012-DA-8W-M12BK/28G/GY



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 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

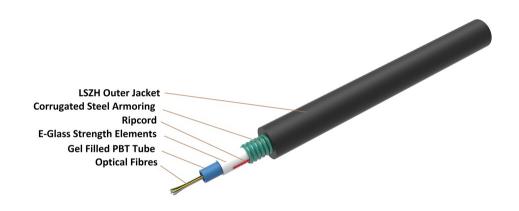
Dimensions

Buffer Tube/Subunit Diameter2.8 mm0.11 inDiameter Over Jacket10 mm0.394 in

Representative Image



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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 $-20 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-4 $^{\circ}\text{F}$ to $+158 \,^{\circ}\text{F}$)

Storage Temperature $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ ($-40 \,^{\circ}\text{F}$ to $+158 \,^{\circ}\text{F}$)

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 Penentration 24 h

Water Penentration Test Method IEC 60794-1 F5

Environmental Test Specifications

Low High Bend Test Method IEC 60794-1 E11

Temperature Cycle $-20 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-4 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$

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

