810009869/DB | C-024-CA-8W-M24BK/40G/GY



Fiber indoor/outdoor cable, 24 fiber, Single Jacket Armor, LSZH, Gel-Filled, Central Loose Tube, Singlemode G.652.D and G.657.Al, Meters jacket marking, Black jacket color

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA

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 810009869/DB CSA GEL LOOSE TUBE 24X9

/125 OS2 [Serial NUMBER] [METRE MARK]

Subunit, quantity 1
Fibers per Subunit, quantity 12
Total Fiber Count 24

Dimensions

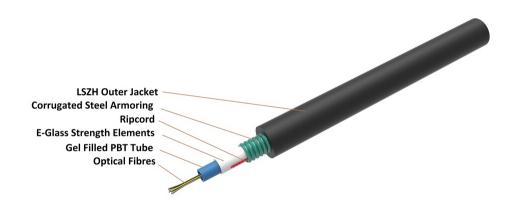
Buffer Tube/Subunit Diameter 4 mm | 0.157 in

Diameter Over Jacket 12.7 mm | 0.5 in

Representative Image



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Mechanical Specifications

Minimum Bend Radius, loaded330 mm12.992 inMinimum Bend Radius, unloaded255 mm10.039 in

Tensile Load, long term, maximum 400 N | 89.924 lbf

Tensile Load, short term, maximum 1400 N | 314.733 lbf

Compression 30 N/mm | 171.304 lb/in

Compression Test Method IEC 60794-1 E3

Impact 10 N-m | 88.507 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 $-20 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \left(-4 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F}\right)$

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

Cable Qualification StandardsEN 187105I EC 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 °C to +70 °C (-4 °F to +158 °F)

Temperature Cycle Test Method IEC 60794-1 F1

Packaging and Weights

Cable weight 216 kg/km | 145.145 lb/kft

Included Products

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

Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

