

Fiber OSP cable, Zero Water Peak,[®] Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core™ Construction, 24 fiber, Singlemode G652.D and G.657.A1, Gel-filled, Meters jacket marking, Black jacket color

Product Classification

Regional Availability	EMEA
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	B-LN

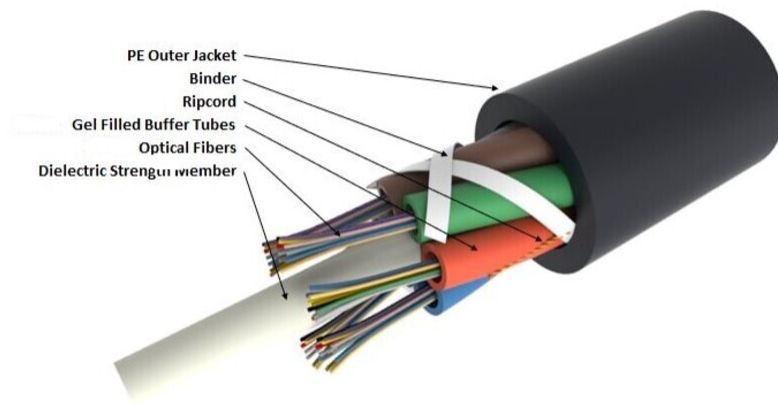
General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Filler, quantity	5
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Laser
Subunit, quantity	6
Fibers per Subunit, quantity	24
Total Fiber Count	24

Dimensions

Buffer Tube/Subunit Diameter	1.4 mm 0.055 in
Diameter Over Jacket	5.1 mm 0.201 in

Representative Image



Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded	100 mm 3.937 in
Minimum Bend Radius, unloaded	70 mm 2.756 in
Tensile Load, long term, maximum	300 N 67.443 lbf
Tensile Load, short term, maximum	1000 N 224.809 lbf
Cable Crush Resistance, maximum	5 N/mm 28.551 lb/in
Compression Test Method	IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	IEC 60794-1 E6
Impact	1 N-m 8.851 in lb
Impact Test Method	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33 IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

810010421/DB | B-024-LN-8W-M24BK/14G 200

Fiber Type G.652.D and G.657.A1

Environmental Specifications

Installation temperature -15 °C to +40 °C (+5 °F to +104 °F)
Operating Temperature -30 °C to +70 °C (-22 °F to +158 °F)
Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards IEC 60794-5-10
Environmental Space Air-blown, microduct
Jacket UV Resistance UV stabilized
Water Penetration 24 h
Water Penetration Test Method IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze Test Method IEC 60794-1 F15
Drip 70 °C | 158 °F
Drip Test Method IEC 60794-1 E14
Heat Age -30 °C to +85 °C (-22 °F to +185 °F)
Heat Age Test Method IEC 60794-1 F9
Temperature Cycle -30 °C to +70 °C (-22 °F to +158 °F)
Temperature Cycle Test Method IEC 60794-1 F1

Packaging and Weights

Cable weight 24 kg/km | 16.127 lb/kft

Included Products

CS-8W-200-EMEA – Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable