

810010428/DB | B-288-LN-8W-M24BK/14G 200



Fiber OSP cable, Zero Water Peak,[®] Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core™ Construction, 288 fiber, Singlemode G.652.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 |

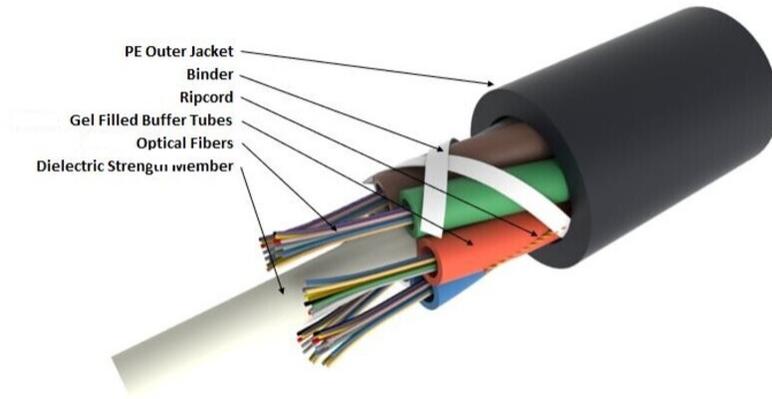
General Specifications

| | |
|-------------------------------------|---------------------|
| Cable Type | Stranded loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Laser |
| Subunit, quantity | 12 |
| Fibers per Subunit, quantity | 24 |
| Total Fiber Count | 288 |

Dimensions

| | |
|-------------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 1.4 mm 0.055 in |
| Diameter Over Jacket | 7.8 mm 0.307 in |

Representative Image



Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 150 mm 5.906 in |
| Minimum Bend Radius, unloaded | 100 mm 3.937 in |
| Tensile Load, long term, maximum | 360 N 80.931 lbf |
| Tensile Load, short term, maximum | 1200 N 269.771 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

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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 56.3 kg/km | 37.832 lb/kft

Regulatory Compliance/Certifications

| Agency | Classification |
|------------|---|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



Included Products

810010428/DB | B-288-LN-8W-M24BK/14G 200

CS-8W-200-EMEA
8W-200um

- Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode
Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable