

Fiber OSP cable, Zero Water Peak,<sup>®</sup> Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core<sup>®</sup> Construction, 288 fiber, Singlemode G.652.D and G.657.A1, Gel-filled, Meters jacket marking, Black jacket color

## Product Classification

|                              |                        |
|------------------------------|------------------------|
| <b>Regional Availability</b> | EMEA                   |
| <b>Portfolio</b>             | CommScope <sup>®</sup> |
| <b>Product Type</b>          | Fiber OSP cable        |
| <b>Product Series</b>        | B-LN                   |

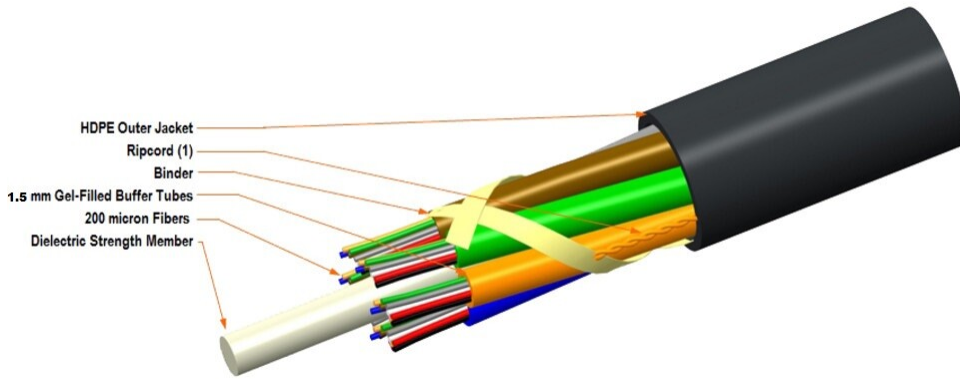
## General Specifications

|                                     |                     |
|-------------------------------------|---------------------|
| <b>Cable Type</b>                   | Stranded loose tube |
| <b>Construction Type</b>            | Non-armored         |
| <b>Subunit Type</b>                 | Gel-filled          |
| <b>Filler, quantity</b>             | 0                   |
| <b>Jacket Color</b>                 | Black               |
| <b>Jacket Marking</b>               | Meters              |
| <b>Jacket Marking Method</b>        | Laser               |
| <b>Subunit, quantity</b>            | 12                  |
| <b>Fibers per Subunit, quantity</b> | 24                  |
| <b>Total Fiber Count</b>            | 288                 |

## Dimensions

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 1.5 mm   0.059 in |
| <b>Diameter Over Jacket</b>         | 8.2 mm   0.323 in |

## Representative Image



## Material Specifications

**Jacket Material** High density polyethylene (HDPE)

## Mechanical Specifications

**Minimum Bend Radius, loaded** 170 mm | 6.693 in  
**Minimum Bend Radius, unloaded** 150 mm | 5.906 in  
**Tensile Load, long term, maximum** 300 N | 67.443 lbf  
**Tensile Load, short term, maximum** 1000 N | 224.809 lbf  
**Compression** 10 N/mm | 57.101 lb/in  
**Compression Test Method** FOTP-41 | IEC 60794-1 E3  
**Flex** 35 cycles  
**Flex Test Method** FOTP-104 | IEC 60794-1 E6  
**Impact** 1 N-m | 8.851 in lb  
**Impact Test Method** FOTP-25 | 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** FOTP-85 | IEC 60794-1 E7

## Optical Specifications

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

## Environmental Specifications

**Installation temperature** -10 °C to +50 °C (+14 °F to +122 °F)

# 810010428/DB | B-288-LN-8W-M24BK/15G 200

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|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Operating Temperature</b>         | -30 °C to +70 °C (-22 °F to +158 °F) |
| <b>Storage Temperature</b>           | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Cable Qualification Standards</b> | IEC 60794-5-10                       |
| <b>Environmental Space</b>           | Air-blown, microduct                 |
| <b>Jacket UV Resistance</b>          | UV stabilized                        |
| <b>Water Penetration</b>             | 24 h                                 |
| <b>Water Penetration Test Method</b> | FOTP-82   IEC 60794-1 F5             |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Cable Freeze</b>                  | -2 °C   28.4 °F                      |
| <b>Cable Freeze Test Method</b>      | FOTP-98   IEC 60794-1 F15            |
| <b>Drip</b>                          | 70 °C   158 °F                       |
| <b>Drip Test Method</b>              | FOTP-81   IEC 60794-1 E14            |
| <b>Heat Age</b>                      | -30 °C to +85 °C (-22 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                       |
| <b>Temperature Cycle</b>             | -30 °C to +70 °C (-22 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1              |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 64 kg/km   43.006 lb/kft |
|---------------------|--------------------------|

## Included Products

|                |   |   |
|----------------|---|---|
| CS-8W-200UM-LT | - | 200 Micron Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber |
|----------------|---|---|

## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable