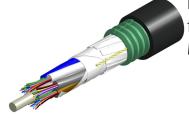
# 860646602/DB | 0-006-LA-8W-M06NS/20G



Fiber OSP cable, LightScope ZWP® Mini Single Jacket/Single Armor, 6 fiber, Gel-Filled, Stranded Loose Tube, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

• Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

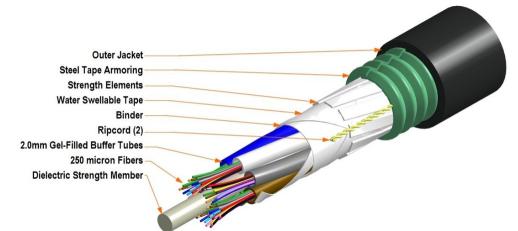
| Product Classification       |  |
|------------------------------|--|
| Regional Availability        | EMEA   |
| Portfolio                    | CommScope®   |
| Product Type                 | Fiber OSP cable  |
| Product Series               | O-LA   |
| General Specifications       |  |
| Armor Type                   | Corrugated steel   |
| Cable Type                   | Stranded loose tube  |
| Construction Type            | Armored  |
| Subunit Type                 | Gel-filled   |
| Filler, quantity             | 5  |
| Jacket Color                 | Black  |
| Jacket Marking               | Meters   |
| Jacket Marking Method        | Inkjet   |
| Jacket Marking Text          | COMMSCOPE GB OPTICAL CABLE TYPE OS2 SM 6 FIBER [SERIAL NUMBER] [MM/YYYY]<br>[METRE MARK] |
| Subunit, quantity            | 1  |
| Fibers per Subunit, quantity | 6  |
| Total Fiber Count            | 6  |
| Dimensions                   |  |
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in  |
| Diameter Over Jacket         | 10.8 mm   0.425 in   |

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# Representative Image



#### Material Specifications

| Material Specifications           |                                       |
|-----------------------------------|---------------------------------------|
| Jacket Material                   | PE                                    |
| Mechanical Specifications         |                                       |
| Minimum Bend Radius, loaded       | 162 mm   6.378 in                     |
| Minimum Bend Radius, unloaded     | 108 mm   4.252 in                     |
| Tensile Load, long term, maximum  | 800 N   179.847 lbf                   |
| Tensile Load, short term, maximum | 2700 N   606.984 lbf                  |
| Compression                       | 44 N/mm   251.246 lb/in               |
| Compression Test Method           | IEC 60794-1 E3                        |
| Flex                              | 25 cycles                             |
| Flex Test Method                  | IEC 60794-1 E6                        |
| 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                             | 10 cycles                             |
| Twist Test Method                 | IEC 60794-1 E7                        |
| Vertical Rise, maximum            | 672 m   2,204.724 ft                  |
|                                   |                                       |

### **Optical Specifications**

Fiber Type

G.652.D and G.657.A1 | G.652.D and G.657.A1

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### **Environmental Specifications**

| Installation temperature       | -30 °C to +70 °C (-22 °F to +158 °F)           |
|--------------------------------|--|
| Operating Temperature          | -40 °C to +70 °C (-40 °F to +158 °F)           |
| Storage Temperature            | -40 °C to +75 °C (-40 °F to +167 °F)           |
| Cable Qualification Standards  | ANSI/ICEA S-87-640   EN 187105   IEC 60794-1-2 |
| Environmental Space            | Aerial, lashed   Buried                        |
| Jacket UV Resistance           | UV stabilized                                  |
| Water Penentration             | 24 h   |
| Water Penentration Test Method | IEC 60794-1 F5                                 |

### **Environmental Test Specifications**

| Cable Freeze                  | -2 °C   28.4 °F                      |
|-------------------------------|--------------------------------------|
| Cable Freeze Test Method      | IEC 60794-1 F15                      |
| Drip                          | 70 °C   158 °F                       |
| Drip Test Method              | IEC 60794-1 E14                      |
| Heat Age                      | -40 °C to +85 °C (-40 °F to +185 °F) |
| Heat Age Test Method          | IEC 60794-1 F9                       |
| Low High Bend                 | -30 °C to +60 °C (-22 °F to +140 °F) |
| Low High Bend Test Method     | IEC 60794-1 E11                      |
| Temperature Cycle             | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1 F1                       |

### Packaging and Weights

#### Cable weight

122 kg/km | 81.98 lb/kft

### Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC    | Compliant as per SVHC revision on www.commscope.com/ProductCompliance          |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |

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#### Included Products

DB-8W-LT – LightScope ZWP® Singlemode Fiber

## \* Footnotes

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

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