# 810010318/DB | 0-048-L2-8W-M12BK/20G



LightScope ZWP® Double Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable

• 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               | 0-L2                |
| General Specifications       |                     |
| Armor Type                   | Corrugated steel    |
| Cable Type                   | Stranded loose tube |
| Construction Type            | Armored             |
| Subunit Type                 | Gel-filled          |
| Filler, quantity             | 2                   |
| Inner Jacket Color           | Black               |
| Jacket Color                 | Black               |
| Jacket Marking               | Meters              |
| Subunit, quantity            | 4                   |
| Fibers per Subunit, quantity | 12                  |
| Total Fiber Count            | 48                  |
| Dimensions                   |                     |
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in     |
| Diameter Over Inner Jacket   | 10.7 mm   0.421 in  |
| Diameter Over Jacket         | 16 mm   0.63 in     |

## Representative Image

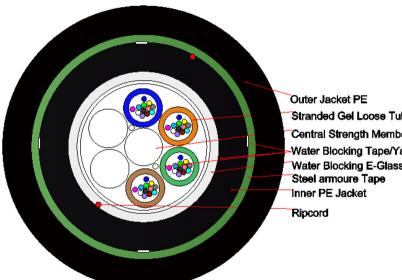
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ΡE



Stranded Gel Loose Tube Central Strength Member Water Blocking Tape/Yams Water Blocking E-Glass Yam

## Material Specifications

Jacket Material

Mechanical Specifications

| Minimum Bend Radius, loaded       | 320 mm   12.598 in                    |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, unloaded     | 240 mm   9.449 in                     |
| Tensile Load, long term, maximum  | 1200 N   269.771 lbf                  |
| Tensile Load, short term, maximum | 4000 N   899.236 lbf                  |
| Compression                       | 30 N/mm   171.304 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                        |
|                                   |                                       |

#### **Optical Specifications**

Fiber Type

G.652.D and G.657.A1

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## Optical Specifications, Wavelength Specific

| Standards Compliance | ITU-T G.652.D   ITU-T G.657.A1 |
|----------------------|--------------------------------|
|                      |                                |

### **Environmental Specifications**

| Installation temperature                     | -30 °C to +60 °C (-22 °F to +140 °F) |
|--|--------------------------------------|
| Operating Temperature                        | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature                          | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards                | IEC 60794-1-2                        |
| EN50575 CPR Cable EuroClass Fire Performance | Fca                                  |
| Environmental Space                          | Buried                               |
| Jacket UV Resistance                         | UV stabilized                        |
| Water Penentration                           | 24 h                                 |
| Water Penentration Test Method               | IEC 60794-1 F5                       |

#### **Environmental Test Specifications**

| Heat Age                      | -40 °C to +85 °C (-40 °F to +185 °F) |
|-------------------------------|--------------------------------------|
| Heat Age Test Method          | IEC 60794-1 F9                       |
| 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 |
|--------------|
|--------------|

235 kg/km | 157.913 lb/kft

#### Included Products

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

### \* Footnotes

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

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