810010320/DB | 0-096-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 |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Subunit, quantity | 8 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 96 |
| Dimensions | |
| Buffer Tube/Subunit Diameter | 2 mm 0.079 in |
| Diameter Over Inner Jacket | 12.1 mm 0.476 in |
| Diameter Over Jacket | 17.4 mm 0.685 in |

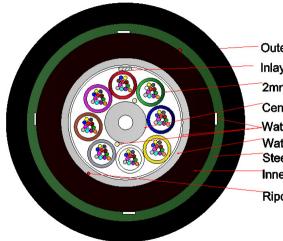
Representative Image

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Outer Jacket PE /2mm Inlay Measuring Tape 2mm Stranded Gel Loose Tube / 12F Central Strength Member Water Blocking Tape/Yarns Water Blocking E-Glass Yarn Steel armoure Tape Inner PE Jacket / 1.7mm Ripcord

Material Specifications

| Jacket Material | PE |
|-----------------------------------|---------------------------------------|
| Mechanical Specifications | |
| Minimum Bend Radius, loaded | 348 mm 13.701 in |
| Minimum Bend Radius, unloaded | 261 mm 10.276 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

Optical Specifications, Wavelength Specific

Standards Compliance

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

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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

273 kg/km | 183.448 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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