

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        | O-L2            |

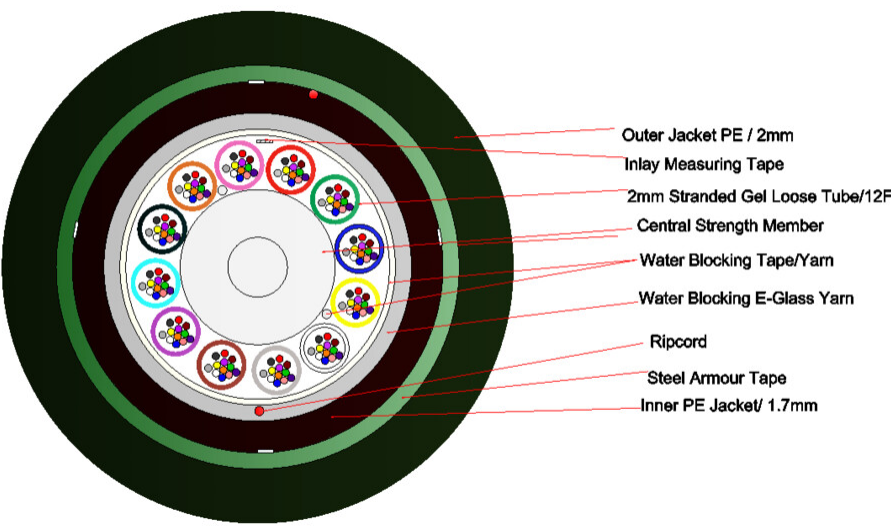
General Specifications

|                              |                     |
|------------------------------|---------------------|
| Armor Type                   | Corrugated steel    |
| Cable Type                   | Stranded loose tube |
| Construction Type            | Armored             |
| Subunit Type                 | Gel-filled          |
| Inner Jacket Color           | Black               |
| Jacket Color                 | Black               |
| Jacket Marking               | Meters              |
| Subunit, quantity            | 12                  |
| Fibers per Subunit, quantity | 12                  |
| Total Fiber Count            | 144                 |

Dimensions

|                              |                    |
|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in    |
| Diameter Over Inner Jacket   | 15 mm   0.591 in   |
| Diameter Over Jacket         | 20.4 mm   0.803 in |

Representative Image



Material Specifications

|                       |    |
|-----------------------|----|
| Jacket Material       | PE |
| Inner Jacket Material | PE |

Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 408 mm   16.063 in                    |
| Minimum Bend Radius, unloaded     | 306 mm   12.047 in                    |
| Tensile Load, long term, maximum  | 1800 N   404.656 lbf                  |
| Tensile Load, short term, maximum | 4000 N   899.236 lbf                  |
| Compression                       | 40 N/mm   228.406 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 ComplianceITU-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 Penetration                            | 24 h                                 |
| Water Penetration 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 | 371 kg/km   249.3 lb/kft |
|--------------|--------------------------|

Regulatory Compliance/Certifications

| Agency     | Classification                                                                                                                  |
|------------|---------------------------------------------------------------------------------------------------------------------------------|
| CHINA-ROHS | Below maximum concentration value                                                                                               |
| REACH-SVHC | Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant                                                                                                                       |
| UK-ROHS    | Compliant                                                                                                                       |



Included Products

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

## \* Footnotes

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