

## 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

<b>Regional Availability</b>	EMEA
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber OSP cable
<b>Product Series</b>	O-L2

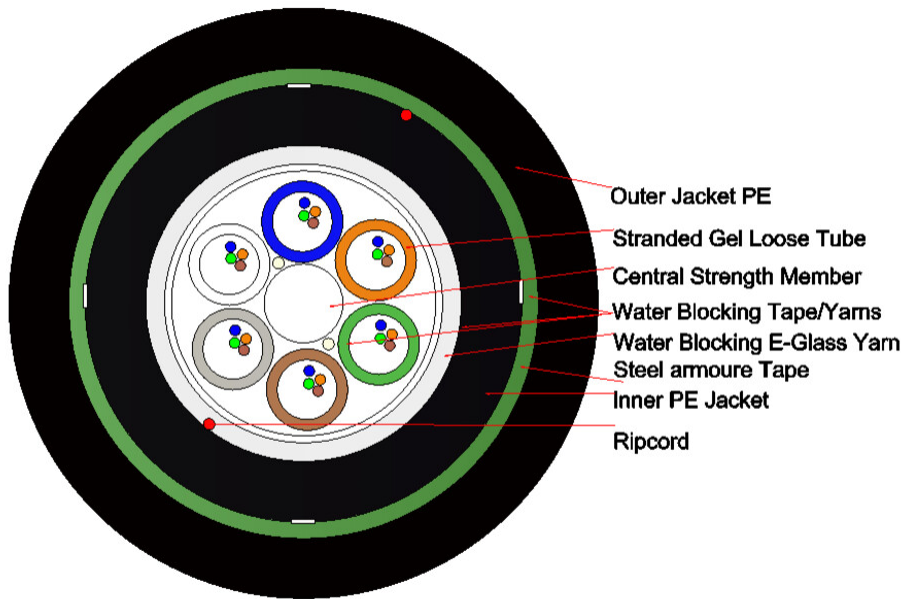
### General Specifications

<b>Armor Type</b>	Corrugated steel
<b>Cable Type</b>	Stranded loose tube
<b>Construction Type</b>	Armored
<b>Subunit Type</b>	Gel-filled
<b>Filler, quantity</b>	3
<b>Inner Jacket Color</b>	Black
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Subunit, quantity</b>	3
<b>Fibers per Subunit, quantity</b>	4
<b>Total Fiber Count</b>	12

### Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2 mm   0.079 in
<b>Diameter Over Inner Jacket</b>	10.7 mm   0.421 in
<b>Diameter Over Jacket</b>	16 mm   0.63 in

### Representative Image



## Material Specifications

### Jacket Material

PE

## 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

## Optical Specifications, Wavelength Specific

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

## Environmental Specifications

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

## Environmental Test Specifications

<b>Heat Age</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Temperature Cycle</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	IEC 60794-1 F1

## Packaging and Weights

**Cable weight** 232 kg/km | 155.897 lb/kft

## Included Products

CS-8W-250-EMEA – LightScope® ZWP Singlemode Fiber  
250um

## \* Footnotes

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