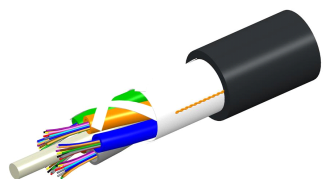


LightScope ZWP® Single Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable



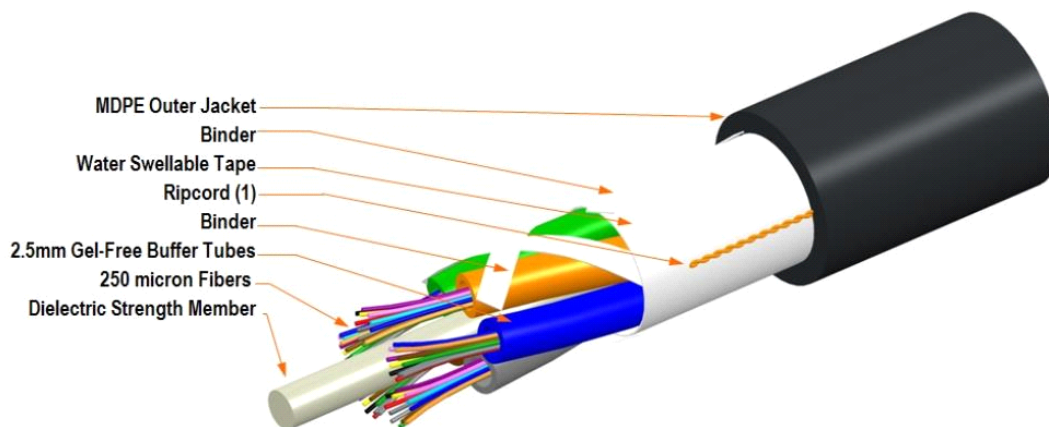
## Product Classification

<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber OSP cable
<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America

## Standards And Qualifications

<b>Cable Qualification Standards</b>	ANSI/ICEA S-87-640   EN 187105   Telcordia GR-20
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## Representative Image



## General Specifications

<b>Cable Type</b>	Stranded loose tube
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free

## Construction Materials

<b>Fiber Type Solution</b>	G.652.D and G.657.A1
<b>Jacket Material</b>	PE
<b>Total Fiber Count</b>	48

<b>Fiber Type</b>	G.652.D and G.657.A1
<b>Fiber Type, quantity</b>	48
<b>Fibers per Subunit, quantity</b>	12
<b>Jacket Color</b>	Black
<b>Jacket UV Resistance</b>	UV stabilized

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2.50 mm   0.10 in
<b>Cable Weight</b>	63.0 kg/km   42.0 lb/kft
<b>Diameter Over Jacket</b>	10.20 mm   0.40 in
<b>Filler, quantity</b>	1
<b>Subunit, quantity</b>	4

## Physical Specifications

<b>Minimum Bend Radius, loaded</b>	15.3 cm   6.0 in
<b>Minimum Bend Radius, unloaded</b>	10.2 cm   4.0 in
<b>Tensile Load, long term, maximum</b>	800 N   180 lbf
<b>Tensile Load, short term, maximum</b>	2700 N   607 lbf
<b>Vertical Rise, maximum</b>	1307.0 m   4289.0 ft

## Environmental Specifications

<b>Environmental Space</b>	Aerial, lashed   Buried
<b>Installation Temperature</b>	-30 °C to +70 °C (-22 °F to +158 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +75 °C (-40 °F to +167 °F)

## Mechanical Test Specifications

<b>Compression</b>	22 N/mm   125 oz/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	35 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	4.41 N-m   3.25 ft lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7
<b>Water Penetration</b>	24 h

**Water Penetration Test Method**    FOTP-82 | IEC 60794-1 F5

## Environmental Test Specifications

<b>Cable Freeze</b>	-2 °C   28 °F
<b>Cable Freeze Test Method</b>	FOTP-98   IEC 60794-1 F15
<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>Low High Bend</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



## Included Products

DB-8W-LT (Product Component—not orderable) — LightScope ZWP® Singlemode Fiber

## \* Footnotes

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