# 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

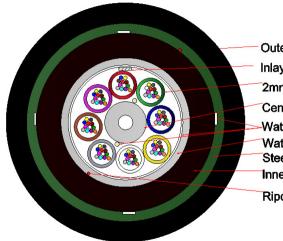
## Representative Image

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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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