Fiber Hybrid drop cable, LightScope ZWP® Fiber + Tone Wire Outdoor, 12 fiber Arid Core construction, central loose tube, Gel-filled, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color, 2000 ft

Product Classification

**Regional Availability**
- Asia
- Australia/New Zealand
- EMEA
- Latin America
- North America

**Portfolio**
CommScope®

**Product Type**
Hybrid cable, fiber and tone-wire

**Product Brand**
LightScope ZWP®

General Specifications

**Cable Type**
Central loose tube

**Construction Type**
Non-armored

**Subunit Type**
Gel-filled

**Jacket Color**
Black

**Subunit, quantity**
1

**Fibers per Subunit, quantity**
12

**Tone Wire, quantity**
1

**Total Fiber Count**
12

Dimensions

**Height Over Jacket**
4.572 mm | 0.18 in

**Cable Length**
609.6 m | 2000 ft

**Buffer Tube/Subunit Diameter**
3.048 mm | 0.12 in

**Diameter Over Jacket**
9.906 mm | 0.39 in

**Diameter Over Messenger Jacket**
2.032 mm | 0.08 in

**Tone Wire Gauge**
24 AWG

Representative Image
Mechanical Specifications

Minimum Bend Radius, loaded  86.36 mm  |  3.4 in
Minimum Bend Radius, unloaded  63.5 mm  |  2.5 in
Tensile Load, long term, maximum  400.34 N  |  90 lbf
Tensile Load, short term, maximum  1,334.466 N  |  300 lbf
Compression  1.018 kg/mm  |  57 lb/in
Compression Test Method  FOTP-41  |  IEC 60794-1 E3
Flex  35 cycles
Flex Test Method  FOTP-104  |  IEC 60794-1 E6
Impact  2.17 ft lb  |  2.942 N-m
Impact Test Method  FOTP-25  |  IEC 60794-1 E4
Strain  See long and short term tensile loads
Strain Test Method  FOTP-33  |  IEC 60794-1 E1
Twist  10 cycles
Twist Test Method  FOTP-85  |  IEC 60794-1 E7
Vertical Rise, maximum  889.102 m  |  2917 ft

Optical Specifications


Environmental Specifications
Installation temperature
-30 °C to +70 °C (-22 °F to +158 °F)

Operating Temperature
-40 °C to +70 °C (-40 °F to +158 °F)

Storage Temperature
-40 °C to +75 °C (-40 °F to +167 °F)

Cable Qualification Standards
ANSI/ICEA S-110-717

Environmental Space
Aerial, lashed | Buried

Jacket UV Resistance
UV stabilized

Water Penetration
24 h

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

Environmental Test Specifications

Cable Freeze
-2 °C | 28.4 °F

Cable Freeze Test Method
FOTP-98 | IEC 60794-1 F15

Drip
70 °C | 158 °F

Drip Test Method
FOTP-81 | IEC 60794-1 E14

Heat Age
-40 °C to +85 °C (-40 °F to +185 °F)

Heat Age Test Method
IEC 60794-1 F9

Low High Bend
-30 °C to +60 °C (-22 °F to +140 °F)

Low High Bend Test Method
FOTP-37 | IEC 60794-1 E11

Temperature Cycle
-40 °C to +70 °C (-40 °F to +158 °F)

Temperature Cycle Test Method
FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight
45.984 kg/km | 30.9 lb/kft

Included Products

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

*Footnotes

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