

Fiber Hybrid drop cable, LightScope® ZWP Fiber + Tone Wire Outdoor, 8 fiber Arid Core construction, central loose tube, Gel-filled, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color.

OBSOLETE

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
Fiber Short Description	O-012-DF-HY-F12NS/20G/1X24AWG
Subunit Type	Gel-filled
Jacket Color	Black
Subunit, quantity	1
Fibers per Subunit, quantity	8
Tone Wire Type	Copper
Tone Wire, quantity	1
Total Fiber Count	8

Dimensions

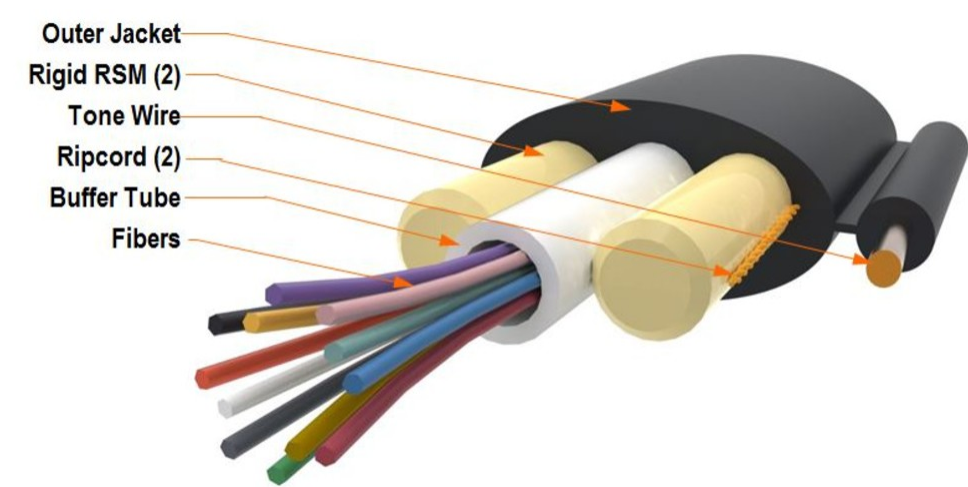
Height Over Jacket	4.318 mm 0.17 in
Buffer Tube/Subunit Diameter	2.032 mm 0.08 in
Diameter Over Jacket	9.906 mm 0.39 in

8108201/DB | O-008-DF-HY-F08NS/8W008

/1X24AWG

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	81.28 mm 3.2 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

Fiber Type

G.652.D and G.657.A1 | G.652.D and G.657.A1

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

Regulatory Compliance/Certifications

Agency

Classification

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

Included Products

8108201/DB | O-008-DF-HY-F08NS/8W008 /1X24AWG

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable