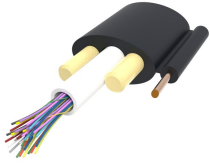


810010160/DB | O-036-DF-HY-F36NS/30T /8W036/1X24AWG/200



LightScope ZWP® Fiber + Tone Wire Outdoor Drop Cable, 36 fiber Arid Core construction, central loose tube

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

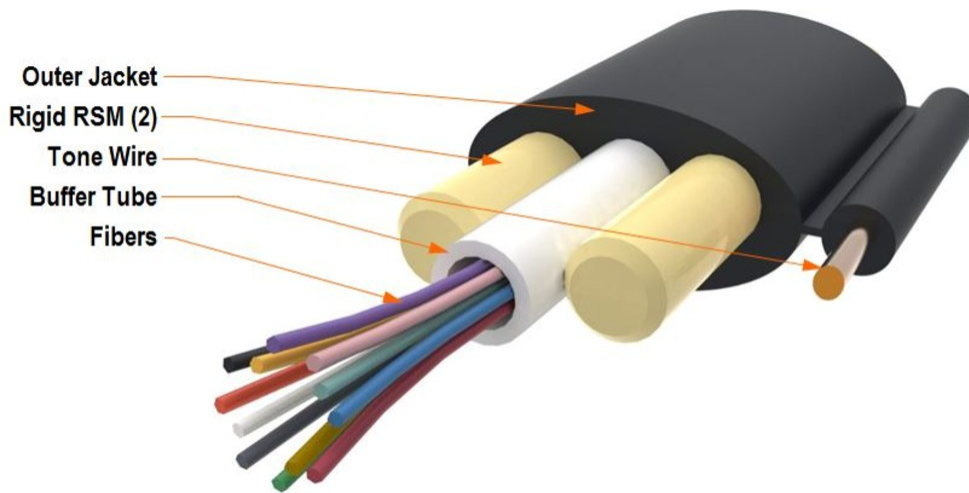
Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Subunit, quantity	3
Fibers per Subunit, quantity	12
Tone Wire, quantity	1
Total Fiber Count	36

Dimensions

Height Over Jacket	4.572 mm 0.18 in
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

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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

Fiber Type	G.652.D and G.657.A1 G.652.D and G.657.A1
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Environmental Specifications

810010160/DB | O-036-DF-HY-F36NS/30T /8W036/1X24AWG/200

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	36.906 kg/km 24.8 lb/kft
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Included Products

CS-8S-200UM-LT	–	200 Micron Low Macrobending, Dispersion-Unshifted OS2 Singlemode Fiber
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable