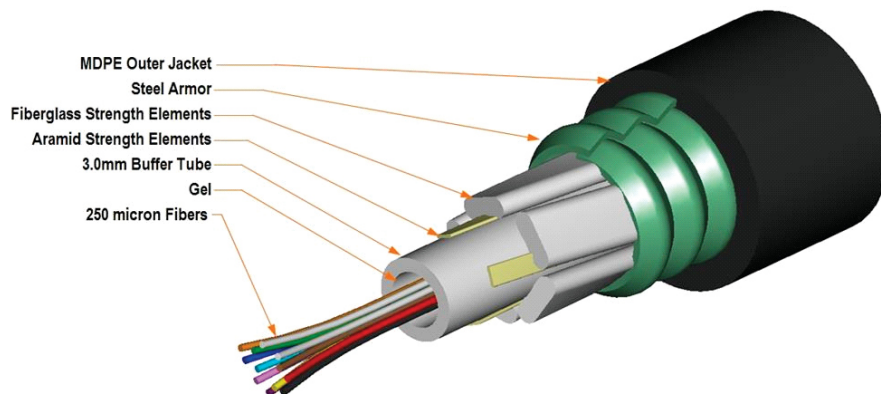


8106207/DB | O-004-DA-8W-F04NS

LightScope ZWP® Single Jacket Single Armor Outdoor Drop Cable, 1–12 fiber Arid Core construction, central loose tube

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

Representative Image



General Specifications

Cable Type	Central loose tube
Construction Type	Armored
Subunit Type	Gel-filled

Construction Materials

Fiber Type Solution	LightScope® ZWP®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Jacket Material	PE
Total Fiber Count	4
Armor Type	Corrugated steel
Fiber Type	LightScope® ZWP®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Fiber Type, quantity	4
Fibers per Subunit, quantity	4
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	3.00 mm 0.12 in
Cable Weight	46.0 lb/kft 69.0 kg/km
Diameter Over Jacket	8.00 mm 0.31 in
Subunit, quantity	1

Physical Specifications

Minimum Bend Radius, loaded	12.0 cm 4.7 in
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Minimum Bend Radius, unloaded	8.0 cm		3.1 in
Tensile Load, long term, maximum	400 N		90 lbf
Tensile Load, short term, maximum	1334 N		300 lbf
Vertical Rise, maximum	1952.0 ft		595.0 m

Environmental Specifications

Environmental Space	Aerial, lashed		Buried
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)		

Mechanical Test Specifications

Compression	10 N/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		2.94 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
Water Penetration	24 h		
Water Penetration Test Method	FOTP-82		IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze	-2 °C		28 °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

Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-110-717
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Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	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