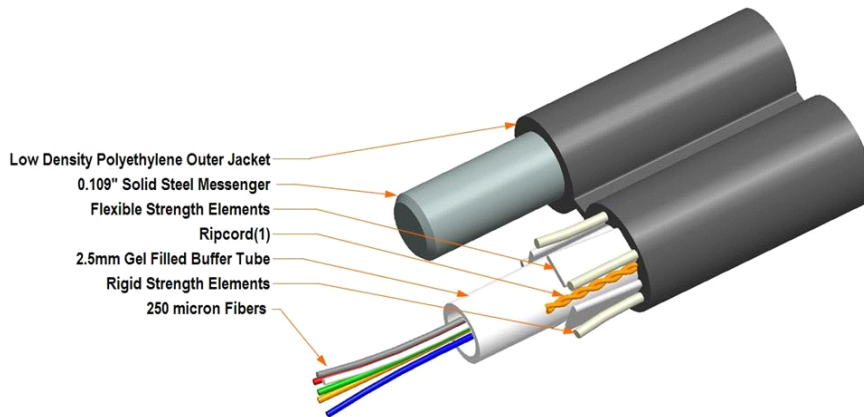


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LightScope ZWP® Self-Supporting Non-Armored Figure-8 Outdoor Drop Cable, 1-6 fiber Arid Core construction with 0.109 in messenger, central loose tube

Representative Image



General Specifications

Cable Type	Central loose tube
Construction Type	Non-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	6
Fiber Type	LightScope® ZWP®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Fiber Type, quantity	6
Fibers per Subunit, quantity	6
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	2.50 mm 0.10 in
Cable Weight	52.0 lb/kft 77.0 kg/km
Diameter Over Jacket	5.10 mm 0.20 in
Diameter Over Messenger Jacket	4.30 mm 0.17 in
Height Over Jacket	10.70 mm 0.42 in
Subunit, quantity	1

Physical Specifications

Minimum Bend Radius, loaded	7.7 cm		3.0 in
Minimum Bend Radius, unloaded	5.1 cm		2.0 in
Tensile Load, long term, maximum	400 N		90 lbf
Tensile Load, short term, maximum	1334 N		300 lbf
Vertical Rise, maximum	1736.0 ft		529.0 m

Environmental Specifications

Environmental Space	Aerial, self-support
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	1.08 ft lb		1.47 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
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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