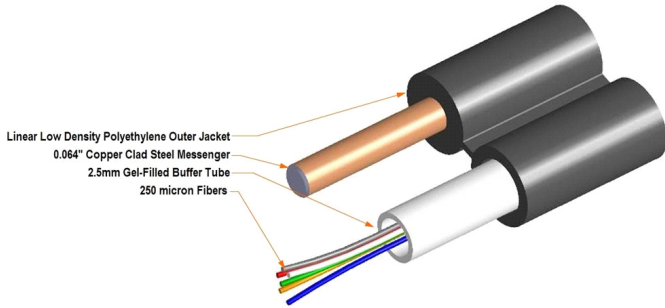


8108152/DB | M-002-MN-8W-M02NS/CCS
LightScope ZWP® Self-Supporting Non-Armored Figure-8 Outdoor Drop Cable, 1-6 fiber Arid Core construction with 0.064 in solid messenger, central loose tube

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	2
Fiber Type	LightScope® ZWP®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Fiber Type, quantity	2
Fibers per Subunit, quantity	2
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	2.50 mm 0.10 in
Cable Weight	26.0 lb/kft 39.0 kg/km
Diameter Over Jacket	3.80 mm 0.15 in
Diameter Over Messenger Jacket	4.00 mm 0.16 in
Height Over Jacket	9.00 mm 0.35 in
Subunit, quantity	1

Physical Specifications

Minimum Bend Radius, loaded	5.6 cm		2.2 in
Minimum Bend Radius, unloaded	3.8 cm		1.5 in
Tensile Load, long term, maximum	400 N		90 lbf
Tensile Load, short term, maximum	1334 N		300 lbf
Vertical Rise, maximum	1042.0 m		3418.0 ft

Environmental Specifications

Environmental Space	Aerial, self-support		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	0.55 ft lb		0.74 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
