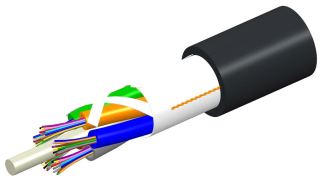
Product Specifications



8107855/DB | D-004-LN-8W-M04NS

LightScope ZWP® Single Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable

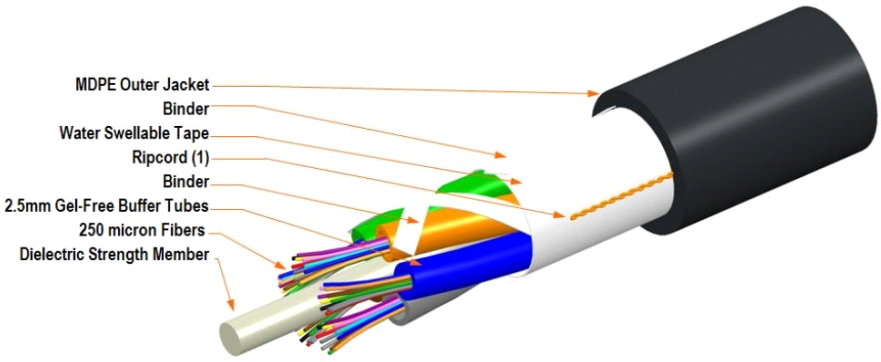
Product Classification

Portfolio	CommScope®
Product Type	Fiber OSP cable
Regional Availability	Asia | Australia/New Zealand | EMEA | Latin America | North America

Standards And Qualifications

Cable Qualification Standards	ANSI/ICEA S-87-640 | EN 187105 | Telcordia GR-20

Representative Image



General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	G.652.D and G.657.A1
Jacket Material	PE
Total Fiber Count	4
Fiber Type	G.652.D and G.657.A1
Fiber Type, quantity	4
Fibers per Subunit, quantity	4
Jacket Color	Black
Jacket UV Resistance	UV stabilized

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Product Specifications

8107855/DB | D-004-LN-8W-M04NS

Dimensions

Buffer Tube/Subunit Diameter	2.50 mm | 0.10 in
Cable Weight	63.0 kg/km | 42.0 lb/kft
Diameter Over Jacket	10.20 mm | 0.40 in
Filler, quantity	4
Subunit, quantity	1

Physical Specifications

Minimum Bend Radius, loaded	15.3 cm | 6.0 in
Minimum Bend Radius, unloaded	10.2 cm | 4.0 in
Tensile Load, long term, maximum	800 N | 180 lbf
Tensile Load, short term, maximum	2700 N | 607 lbf
Vertical Rise, maximum	1307.0 m | 4289.0 ft

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	22 N/mm | 125 oz/in
Compression Test Method	FOTP-41 | IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	FOTP-104 | IEC 60794-1 E6
Impact	4.41 N-m | 3.25 ft lb
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 Penentration	24 h
Water Penentration 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
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

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Product Specifications

8107855/DB | D-004-LN-8W-M04NS

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

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