

LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube

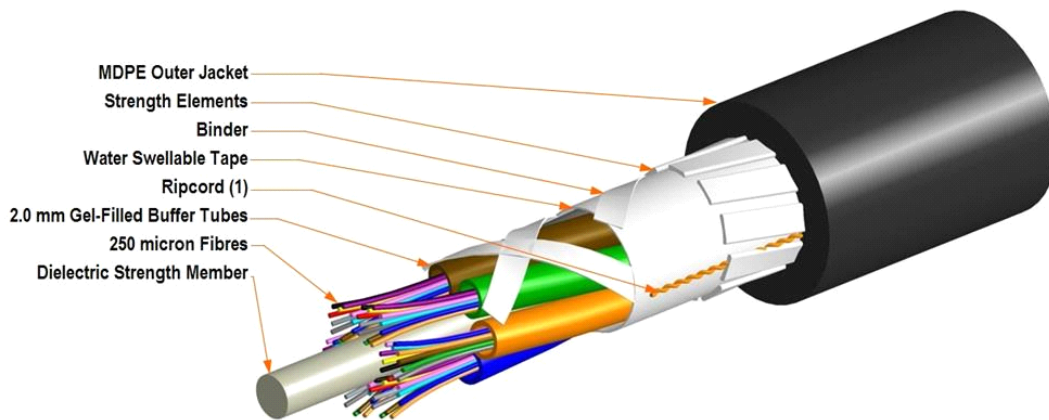
Product Classification

Portfolio	CommScope®
Product Type	Fiber OSP cable
Regional Availability	EMEA

Standards And Qualifications

Cable Qualification Standards ANSI/ICEA S-87-640 | EN 187105 | IEC 60794-1-2

Representative Image



General Specifications

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

Construction Materials

Fiber Type Solution	G.657.A2
Jacket Material	PE
Total Fiber Count	48
Fiber Type	G.657.A2
Fiber Type, quantity	48

Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	2.00 mm 0.08 in
Cable Weight	48.0 lb/kft 72.0 kg/km
Diameter Over Jacket	9.50 mm 0.37 in
Filler, quantity	2
Subunit, quantity	4

Physical Specifications

Minimum Bend Radius, loaded	14.3 cm 5.6 in
Minimum Bend Radius, unloaded	3.7 in 9.5 cm
Tensile Load, long term, maximum	800 N 180 lbf
Tensile Load, short term, maximum	2700 N 607 lbf
Vertical Rise, maximum	1142.0 m 3748.0 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	125 lb/in 22 N/mm
Compression Test Method	IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	IEC 60794-1 E6
Impact	2.17 ft lb 2.94 N-m
Impact Test Method	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	IEC 60794-1 E7
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze	-2 °C 28 °F
Cable Freeze Test Method	IEC 60794-1 F15
Drip	70 °C 158 °F
Drip Test Method	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	IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1 F1

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

CS-8G-LT (Product Component—not orderable) — Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable