



Fiber OSP cable, 24-fiber, OS2, HDPE, loose tube, 24 fiber, gel-filled, Singlemode G.652.D and G.657.A1, 1000 m, Meters jacket marking, Black jacket color

Product Classification

Regional Availability	Australia/New Zealand   EMEA
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-CA

General Specifications

Armor Type	Corrugated steel
Cable Type	Loose tube
Construction Type	Armored
Subunit Type	Gel-filled
Filler, quantity	1
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMScope GB SYSTEM F.O. CABLE 810009836/DB CSA GEL LOOSE TUBE 24X9 /125 OS2 HDPE (Serial NUMBER) (METER MARK)
Fibers per Subunit, quantity	24
Total Fiber Count	24

Dimensions

Cable Length	1000 m   3,280.84 ft
Buffer Tube/Subunit Diameter	4 mm   0.157 in
Diameter Over Jacket	10.5 mm   0.413 in

Material Specifications

Jacket Material	High density polyethylene (HDPE)
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## Mechanical Specifications

Minimum Bend Radius, loaded	210 mm   8.268 in
Minimum Bend Radius, unloaded	160 mm   6.299 in
Tensile Load, long term, maximum	1250 N   281.011 lbf
Compression	3000 N/mm   17,130.441 lb/in
Compression Test Method	IEC 60794-1-2 E3
Flex	25 cycles
Impact	5 N-m   44.254 in lb
Impact Test Method	IEC 60794-1 E4
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

## Optical Specifications

Fiber Type	G.652.D and G.657.A1
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## Optical Specifications, Wavelength Specific

Attenuation, maximum	0.35 dB/km @ 1,300 nm   0.35 dB/km @ 1,550 nm   0.45 dB/km @ 1,310 nm
Standards Compliance	IEC 60794-1   TIA-492CAAB (OS2)

## Environmental Specifications

Installation temperature	-5 °C to +50 °C (+23 °F to +122 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

## Environmental Test Specifications

Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1

## Packaging and Weights

Cable weight	151 kg/km   101.467 lb/kft
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## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



Included Products

CS-8W-250-EMEA – LightScope® ZWP Singlemode Fiber  
8W-250um

\* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable