



Fiber OSP cable, 6-fiber, OS2, HDPE, loose tube, 6 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
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMScope GB SYSTEM F.O. CABLE 810009833/DB CSA GEL LOOSE TUBE 6X9 /125 OS2 HDPE (Serial NUMBER) (METRE MARK)
Fibers per Subunit, quantity	6
Total Fiber Count	6

Dimensions

Cable Length	1000 m   3,280.84 ft
Diameter Over Jacket	10 mm   0.394 in

Material Specifications

Jacket Material	High density polyethylene (HDPE)
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Mechanical Specifications

Minimum Bend Radius, loaded	150 mm   5.906 in
Minimum Bend Radius, unloaded	100 mm   3.937 in

810009833/DB | O-006-CA-8W-M06BK/GY/HD

Tensile Load, long term, maximum	1250 N   281.011 lbf
Flex	25 cycles

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
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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)

Packaging and Weights

Cable weight	104 kg/km   69.885 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="https://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