

810009836/DB | O-024-CA-8W-M24BK/GY/HD



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

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Jacket Material High density polyethylene (HDPE)

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

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

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



Included Products

DB-8W-LT – LightScope ZWP® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable