



Fiber Optic Cable, 48-fiber, OM3, loose tube, gel-filled, 1000 m, aqua

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-LN

General Specifications

Cable Type	Loose tube
Subunit Type	Gel-filled
Jacket Color	Aqua
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB SYSTEM F.O. CABLE X-599609-3 INT/EXT GEL LOOSE TUBE 48X50/125 OM3 [Serial NUMBER] [METRE MARK]
Fibers per Subunit, quantity	12
Total Fiber Count	48

Dimensions

Cable Length	1000 m 3,280.84 ft
Diameter Over Jacket	11.5 mm 0.453 in

Mechanical Specifications

Minimum Bend Radius, loaded	228.6 mm 9 in
Minimum Bend Radius, unloaded	170.2 mm 6.701 in
Tensile Load, long term, maximum	600 N 134.885 lbf
Tensile Load, short term, maximum	996 N 223.91 lbf

Optical Specifications

Fiber Type	OM3
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1-599609-3 | C-048-LN-5L-M12AQ/28G/AY/D

Optical Specifications, Wavelength Specific

Attenuation, maximum	1.00 dB/km @ 1,300 nm 3.50 dB/km @ 850 nm
Standards Compliance	TIA-492AAAC (OM3)

Environmental Specifications

Operating Temperature	-25 °C to +70 °C (-13 °F to +158 °F)
Environmental Space	Universal Low Smoke Zero Halogen (ULSZH)

Packaging and Weights

Cable weight	125 kg/km 83.996 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 www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable