760245019 | C-072-LN-8F-M12YL/14D/GY/C

Fiber indoor cable, Single Jacket All-Dielectric, Gel-Free, 72 fiber, Stranded Microsheath Tube, Singlemode, G.657.A1, Meters jacket marking, Yellow jacket color, Cca Flame rating. Provides Rodent Resistance

Product Classification

Regional Availability	Asia | Australia/New Zealand | EMEA | Latin America | North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	L-LN

General Specifications

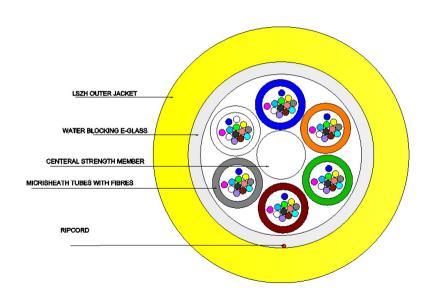|	
Cable Type	Stranded microsheath tube
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Yellow
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB F.O. CABLE 760245019 72X 9/125 G657A1 EN50575 CLASS C LSZH [SERIAL NUMBER] [METRE MARK]
Subunit, quantity	6
Fibers per Subunit, quantity	12
Total Fiber Count	72

Dimensions

Buffer Tube/Subunit Diameter	1.4 mm | 0.055 in
Diameter Over Jacket	7.5 mm | 0.295 in

Representative Image

COMMSCOPE®

760245019 | C-072-LN-8F-M12YL/14D/GY/C

Material Specifications

Inner Jacket Material   Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded   150 mm | 5.906 in

Minimum Bend Radius, unloaded   100 mm | 3.937 in

Tensile Load, long term, maximum   900 N | 202.328 lbf

Tensile Load, short term, maximum   1550 N | 348.454 lbf

Compression   10 N/mm | 57.101 lb/in

Compression Test Method   FOTP-41 | IEC 60794-1 E3

Impact   2 N-m | 17.701 in lb

Impact Test Method   FOTP-25 | IEC 60794-1 E4

Strain   See long and short term tensile loads

Strain Test Method   FOTP-33 | IEC 60794-1 E1

Vertical Rise, maximum   1500 m | 4,921.26 ft

Optical Specifications

Fiber Type   G.657.A1, TeraSPEED®

Environmental Specifications

COMMSCOPE®

760245019 | C-072-LN-8F-M12YL/14D/GY/C

Installation temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	IEC 60794-1-2
EN50575 CPR Cable EuroClass Fire Performance	Cca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)

Environmental Test Specifications

Cable Freeze	-2 °C	28.4 °F
Cable Freeze Test Method	FOTP-98	IEC 60794-1 F15
Temperature Cycle	-10 °C to +60 °C (+14 °F to +140 °F)
Temperature Cycle Test Method	FOTP-3	IEC 60794-1 F1

Packaging and Weights

Cable weight	65 kg/km	43.678 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

Included Products

CS-8F-TB	–	Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®