760243186 | L-144-LN-8F-M12YL/14D/GY/C

Fiber indoor cable, Single Jacket All-Dielectric, 144 fiber, Gel-Free, 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
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	L-LN

General Specifications

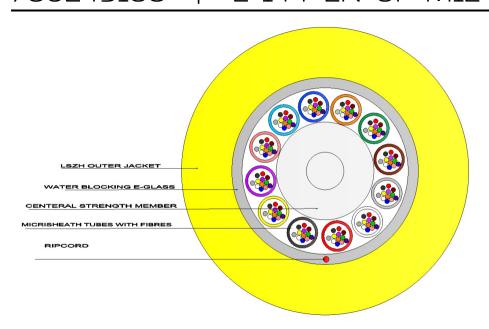|	
Cable Type	Stranded microsheath tube
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Yellow
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB F.O. CABLE 760243186 144x9/125 G657A1 EN50575 CLASS C LSZH (Serial number) (meter mark)
Subunit, quantity	12
Fibers per Subunit, quantity	12
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	1.4 mm	0.055 in
Diameter Over Jacket	10.2 mm	0.402 in

Representative Image

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LSZH OUTER JACKET
WATER BLOCKING E-GLASS
CENTERAL STRENGTH MEMBER
MICRISHEATH TUBES WITH FIBRES
RIPCORD

Material Specifications

Inner Jacket Material	Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded	200 mm	7.874 in
Minimum Bend Radius, unloaded	150 mm	5.906 in
Tensile Load, long term, maximum	1000 N	224.809 lbf
Tensile Load, short term, maximum	1800 N	404.656 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	970 m	3,182.415 ft

Optical Specifications

Fiber Type	G.657.A1, TeraSPEED®

Environmental Specifications

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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	111 kg/km | 74.589 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-LT	–	Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®