810010054/DB | C-096-LN-8F-M12BK/14D/AY/D-0500-DK02

Indoor/Outdoor Low Smoke Zero Halogen / 96F Microsheath Breakout Fiber Optic Cable - Black

Product Classification

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

General Specifications

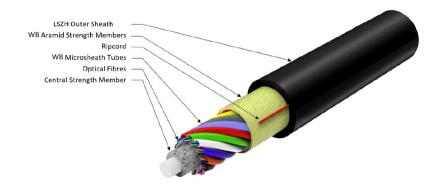|	
Cable Type	Stranded microsheath tube
Subunit Type	Gel-free
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	0000M 8 x 12SM G.657.A1 SWE LSZH TDC -NET A/S - Lyslederkabel - GIV AGT - USYNLIGT LASERLYS COMMSCOPE UK [YYYY/WW] – [serial number]
Subunit, quantity	8
Fibers per Subunit, quantity	12
Total Fiber Count	96

Dimensions

Cable Length	500 m	1,640.42 ft
Buffer Tube/Subunit Diameter	1.4 mm	0.055 in
Diameter Over Jacket	6.8 mm	0.268 in

Representative Image

COMMSCOPE®

810010054/DB | C-096-LN-8F-M12BK/14D/AY/D-0500-DK02

Mechanical Specifications

Minimum Bend Radius, loaded	100 mm	3.937 in
Minimum Bend Radius, unloaded	70 mm	2.756 in
Tensile Load, long term, maximum	200 N	44.962 lbf
Tensile Load, short term, maximum	900 N	202.328 lbf
Cable Crush Resistance, maximum	10 N/mm	57.101 lb/in
Compression Test Method	IEC 60794-1-21 E3
Impact	2 N-m	17.701 in lb
Impact Test Method	IEC 60794-1-21 E4
Strain Test Method	IEC 60794-1-21 E1
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.657.A1

Optical Specifications, Wavelength Specific

Attenuation, maximum	0.25 dB/km @ 1,550 nm	0.27 dB/km @ 1,490 nm	0.27 dB/km @ 1,625 nm	0.36 dB/km @ 1,310 nm
Standards Compliance	TIA-492CAAB (OS2)

COMMSCOPE®

810010054/DB | C-096-LN-8F-M12BK/14D/AY/D-0500-DK02

Environmental Specifications

Installation temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Universal Low Smoke Zero Halogen (ULSZH)
Water Penetration	336 h
Water Penetration Test Method	IEC 60794-1 F5

Environmental Test Specifications

Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-22 F1

Packaging and Weights

Cable weight	47 kg/km	31.583 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

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

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®