760252940 | C-096-LN-5K-M12BK/25D/E

Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), 96 fiber, Multimode OM4, Gel-Free, Stranded Loose Tube, Black jacket color, Meters cable marking, Eca flame rating

Product Classification

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

General Specifications

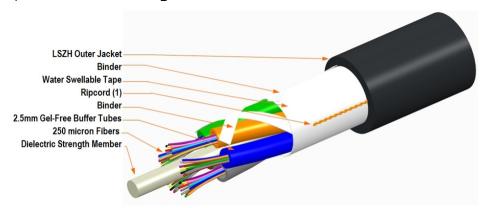|	
Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-free
Filler, quantity	0
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE OM4 MM 96 FIBER EN50575 CLASS E [SERIAL NUMBER] [MM /YY] [METRE MARK]
Subunit, quantity	8
Fibers per Subunit, quantity	12
Total Fiber Count	96

Dimensions

Buffer Tube/Subunit Diameter	2.5 mm	0.098 in
Diameter Over Jacket	13.6 mm	0.535 in

COMMSCOPE®

Representative Image

Mechanical Specifications

Minimum Bend Radius, loaded	204 mm | 8.031 in
Minimum Bend Radius, unloaded	136 mm | 5.354 in
Tensile Load, long term, maximum	800 N | 179.847 lbf
Tensile Load, short term, maximum	2700 N | 606.984 lbf
Compression	22 N/mm | 125.623 lb/in
Compression Test Method	FOTP-41 | IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 | IEC 60794-1 E6
Impact	3 N-m | 26.552 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
Twist	10 cycles
Twist Test Method	FOTP-85 | IEC 60794-1 E7
Vertical Rise, maximum	484 m | 1,587.927 ft

Optical Specifications

Fiber Type	OM4, LazrSPEED® 550

Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)

COMMSCOPE®

760252940 | C-096-LN-5K-M12BK/25D/E

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696	EN 187105	Telcordia GR-20	Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance	Eca
Environmental Space	Aerial, lashed	Buried	Low Smoke Zero Halogen (LSZH)
Flame Test Listing	EN 50399
Flame Test Method	EN 50399	IEC 60332-1-2	IEC 60754-2
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	FOTP-82	IEC 60794-1 F5

Environmental Test Specifications

Drip	70 °C	158 °F
Drip Test Method	FOTP-81	IEC 60794-1 E14
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3	IEC 60794-1 F1

Packaging and Weights

Cable weight	169 kg/km	113.563 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-5K-LT	–	LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

COMMSCOPE®

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®