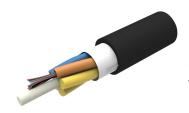# 760256242 | C-048-LN-5K-M12BK/15D/B2

Fiber Indoor/outdoor Cable, Low Smoke Zero Halogen / 48 fiber Microsheath, Gel-free, Meters jacket marking, Black jacket color, B2ca flame rating

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	Stranded microsheath tube
Subunit Type	Gel-free
Filler, quantity	1
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 760256242 48 x 5K 50/125 EN50575 CLASS B ULSZH [Serial number] [metre mark]
Subunit, quantity	4
Fibers per Subunit, quantity	12
Total Fiber Count	48

Dimensions

Cable Length	2000 m	6,561.68 ft
Buffer Tube/Subunit Diameter	1.5 mm	0.059 in
Diameter Over Jacket	6.7 mm	0.264 in

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	150 N	33.721 lbf

COMMSCOPE®

Tensile Load, short term, maximum	480 N | 107.908 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	OM4, LazrSPEED®

Optical Specifications, Wavelength Specific

Attenuation, maximum	1.00 dB/km @ 1,300 nm | 3.00 dB/km @ 850 nm

Environmental Specifications

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
EN50575 CPR Cable EuroClass Fire Performance	B2ca
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 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	48.9 kg/km | 32.859 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ROHS	Compliant

COMMSCOPE®

UK-ROHS   Compliant

Included Products

CS-5K-LT   –   LazrSPEED® 550 OM4 Bend-Insensitive Multimode
                              Fiber

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®