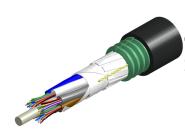# 760245381 | C-048-LA-8W-M12BK/25G/GY/FS

Fiber indoor/outdoor cable, TeraSPEED®, Single Jacket/Single Armor, 90 min Fire Survival, Low Smoke Zero Halogen (LSZH), 48 fiber, Singlemode G.652.D and G.657.A1, Gel-Filled, Stranded Loose Tube, Black jacket color, Meters cable marking

Product Classification

Regional Availability	Asia | Australia/New Zealand | EMEA
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-LA

General Specifications

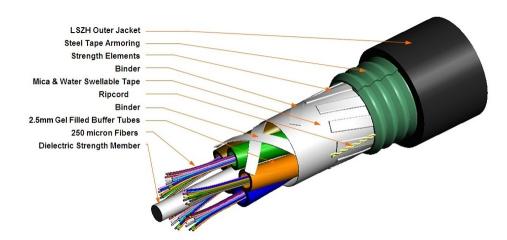|	
Armor Type	Corrugated steel
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-filled
Filler, quantity	2
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 760245381 48x9/125 G652D ULSZH [Serial number] [metre mark]
Subunit, quantity	4
Fibers per Subunit, quantity	12
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	2.5 mm | 0.098 in
Diameter Over Jacket	14 mm | 0.551 in

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Representative Image

LSZH Outer Jacket
Steel Tape Armoring
Strength Elements
Binder
Mica & Water Swellable Tape
Ripcord
Binder
2.5mm Gel Filled Buffer Tubes
250 micron Fibers
Dielectric Strength Member

Mechanical Specifications

Minimum Bend Radius, loaded	330 mm	12.992 in
Minimum Bend Radius, unloaded	200 mm	7.874 in
Tensile Load, long term, maximum	1200 N	269.771 lbf
Tensile Load, short term, maximum	4000 N	899.236 lbf
Compression	20 N/mm	114.203 lb/in
Compression Test Method	IEC 60794-1 E3
Impact	5 N-m	44.254 in lb
Impact Test Method	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1 E1
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.652.D and G.657.A1, TeraSPEED®	OS2

Environmental Specifications

Operating Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

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Cable Qualification Standards	EN 187105	IEC 60794-1-2
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	Aerial, lashed	Buried	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60331-25	IEC 60332-1	IEC 60332-3-24	IEC 60754-1	IEC 60754-2	IEC 61034-2	NES 713 (<=5 - jacket material only)
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

Environmental Test Specifications

Low High Bend Test Method	IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1 F1

Packaging and Weights

Cable weight	240 kg/km	161.273 lb/kft

Included Products

CS-8W-250-EMEA 250um − LightScope ZWP® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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