760256144 | C-144-LN-8W-M12BK/15D/B2
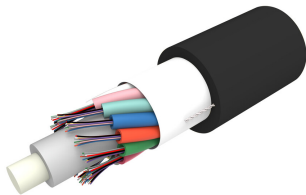
Fiber indoor/outdoor cable, LightScope® ZWP Low Smoke Zero Halogen, 144 fiber Microsheath, Singlemode , Gel-free, Meters jacket marking, Black jacket color, B2ca flame rating

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
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 760256144 144 x G652D 9/125 EN50575 CLASS B ULSZH [Serial number] [metre mark]
Fibers per Subunit, quantity	12
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	1.5 mm	0.059 in
Diameter Over Jacket	10.7 mm	0.421 in

Mechanical Specifications

Minimum Bend Radius, unloaded	130 mm	5.118 in
Tensile Load, long term, maximum	360 N	80.931 lbf
Tensile Load, short term, maximum	1200 N	269.771 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

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Impact Test Method	IEC 60794-1-21 E4
Strain Test Method	IEC 60794-1-21 E1

Optical Specifications

Fiber Type	G.652.D and G.657.A1

Optical Specifications, Wavelength Specific

Attenuation, maximum	0.25 dB/km @ 1,550 nm	0.27 dB/km @ 1,625 nm	0.36 dB/km @ 1,310 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 F4

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	123.5 kg/km	82.988 lb/kft

Regulatory Compliance/Certifications

Agency	**Classification**
CHINA-ROHS	Below maximum concentration value
ROHS	Compliant
UK-ROHS	Compliant

Included Products

CS-8W-LT	–	TeraSPEED® G652D/G657A1 Singlemode

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Fiber

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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