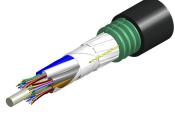
810009772/DB | C-036-LA-8W-M12BK/20G/C



Fiber indoor/outdoor cable, TeraSPEED®, Single Jacket/Single Armor, Low Smoke Zero Halogen (LSZH), Singlemode G.652.D and G.657.A1, 36 fiber, Gel Filled , Stranded Loose Tube, Feet jacket marking, Black jacket color, Cca flame rating

• Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

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	3	
Jacket Color	Black	
Jacket Marking	Meters	
Jacket Marking Method	Inkjet	
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 810009772/DB 36X OS2 SM LSZH EN50575 CLASS C [SERIAL NUMBER] [METRE MARK]	
Subunit, quantity	3	
Fibers per Subunit, quantity	12	
Total Fiber Count	36	
Dimensions		
Buffer Tube/Subunit Diameter	2 mm 0.079 in	
Diameter Over Jacket	12.4 mm 0.488 in	

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Representative Image

LSZH Outer Jacket Steel Tape Armoring Strength Elements Water Swellable Tape Binder Ripcord (2) Binder 2.0mm Gel-Filled Buffer Tubes 250 micron Fibers Dielectric Strength Member

rr Swellable Tape Binder Ripcord (2) Binder Ied Buffer Tubes 50 micron Fibers Strength Member

Mechanical Specifications

Minimum Bend Radius, loaded	185 mm 7.283 in	
Minimum Bend Radius, unloaded	124 mm 4.882 in	
Tensile Load, long term, maximum	800 N 179.847 lbf	
Tensile Load, short term, maximum	2700 N 606.984 lbf	
Compression	44 N/mm 251.246 lb/in	
Compression Test Method	IEC 60794-1 E3	
Flex	25 cycles	
Flex Test Method	IEC 60794-1 E6	
Impact	10 N-m 88.507 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	10 cycles	
Twist Test Method	IEC 60794-1 E7	
Vertical Rise, maximum	445 m 1,459.974 ft	
Optical Specifications		

Fiber Type

G.652.D and G.657.A1, TeraSPEED®

Environmental Specifications

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Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)	
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	EN 187105 IEC 60794-1-2	
EN50575 CPR Cable EuroClass Fire Performance	Сса	
EN50575 CPR Cable EuroClass Smoke Rating	s2	
EN50575 CPR Cable EuroClass Droplets Rating	d2	
EN50575 CPR Cable EuroClass Acidity Rating	al	
Environmental Space	Aerial, lashed Buried Low Smoke Zero Halogen (LSZH)	
Flame Test Method	IEC 60332-1-2 IEC 60754-2 IEC 61034-2	
Jacket UV Resistance	UV stabilized	
Water Penetration	24 h	
Water Penetration Test Method	IEC 60794-1 F5	

Environmental Test Specifications

Cable Freeze	-2 °C 28.4 °F	
Cable Freeze Test Method	IEC 60794-1 F15	
Heat Age -40 °C to +85 °C (-40 °F to +185 °F)		
Heat Age Test Method IEC 60794-1 F9		
Low High Bend -30 °C to +60 °C (-22 °F to +140 °F)		
Low High Bend Test Method IEC 60794-1 E11		
Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F)		
Temperature Cycle Test Method	IEC 60794-1 F1	

Packaging and Weights

Cable weight184	4 kg/km	123.642 lb/kft
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Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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