760252665 | C-144-LN-8W-M12BK/25D/E

Fiber indoor/outdoor cable, TeraSPEED®, Single Jacket All-Dielectric (LSZH), 144 fiber, Singlemode G.652.D and G.657.A1Gel-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
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE OS2 SM 144 FIBER EN50575 CLASS E [SERIAL NUMBER] [MM /YY] [METRE MARK]
Subunit, quantity	12
Fibers per Subunit, quantity	12
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	2.5 mm	0.098 in
Diameter Over Jacket	17.3 mm	0.681 in

Representative Image

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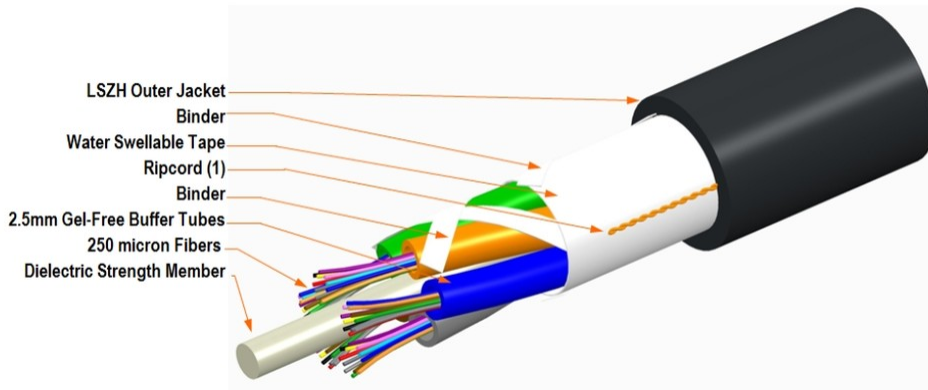
Mechanical Specifications

Minimum Bend Radius, loaded	206 mm	8.11 in
Minimum Bend Radius, unloaded	173 mm	6.811 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	5 cycles
Twist Test Method	FOTP-85	IEC 60794-1 E7
Vertical Rise, maximum	5 m	16.404 ft

Optical Specifications

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

Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

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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 Penentration	24 h
Water Penentration Test Method	FOTP-82	IEC 60794-1 F5

Environmental Test Specifications

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	272 kg/km	182.776 lb/kft

Included Products

CS-8W-IOLT – TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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