



TeraSPEED® Single Jacket/Single GRP Armor, Gel, Indoor/Outdoor Stranded Loose Tube cable. Provides Rodent Resistance.

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

Product Classification

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

General Specifications

Armor Type	Non-metallic rods
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Laser
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 144 x OS2 SM EN50575 CLASS Dca [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	21.7 mm 0.854 in

Material Specifications

Inner Jacket Material	Low Smoke Zero Halogen (LSZH)
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Mechanical Specifications

760255155 | C-144-LA-8W-M12NS/25G/GRP/D

Minimum Bend Radius, loaded	430 mm 16.929 in
Minimum Bend Radius, unloaded	325 mm 12.795 in
Tensile Load, long term, maximum	6000 N 1,348.854 lbf
Compression	60 N/mm 342.609 lb/in
Compression Test Method	IEC 60794-1 E3
Impact	15 N-m 132.761 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
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Environmental Specifications

Installation temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	IEC 60794-1-2
Environmental Space	Aerial, lashed Buried
Flame Test Method	IEC 60332-1-2
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

Environmental Test Specifications

Heat Age	0 °C to +85 °C (+32 °F to +185 °F)
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1 F1

Packaging and Weights

Cable weight	452 kg/km 303.73 lb/kft
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Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable