



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

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<b>Minimum Bend Radius, loaded</b>	430 mm   16.929 in
<b>Minimum Bend Radius, unloaded</b>	325 mm   12.795 in
<b>Tensile Load, long term, maximum</b>	6000 N   1,348.854 lbf
<b>Compression</b>	60 N/mm   342.609 lb/in
<b>Compression Test Method</b>	IEC 60794-1 E3
<b>Impact</b>	15 N-m   132.761 in lb
<b>Impact Test Method</b>	IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	IEC 60794-1 E1
<b>Twist</b>	5 cycles
<b>Twist Test Method</b>	IEC 60794-1 E7

## Optical Specifications

<b>Fiber Type</b>	G.652.D and G.657.A1, TeraSPEED®   OS2
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## Environmental Specifications

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

## Environmental Test Specifications

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

## Packaging and Weights

<b>Cable weight</b>	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