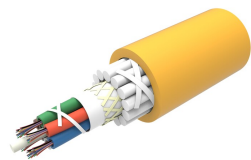


# 5-1594824-6 | C-144-LA-8W-M12YL/25G/GRP/D



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

- GRP armor is strong yet flexible, providing additional crush and rodent protection

**OBSOLETE**  
This product was discontinued on: March 31, 2023

## 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	Yellow
Jacket Marking	Meters
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)
-----------------------	-------------------------------

# 5-1594824-6 | C-144-LA-8W-M12YL/25G/GRP/D

---

## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	432 mm   17.008 in
<b>Minimum Bend Radius, unloaded</b>	324 mm   12.756 in
<b>Tensile Load, long term, maximum</b>	2000 N   449.618 lbf
<b>Tensile Load, short term, maximum</b>	6000 N   1,348.854 lbf
<b>Compression</b>	50 N/mm   285.507 lb/in
<b>Compression Test Method</b>	IEC 60794-1 E3
<b>Impact</b>	20 N-m   177.015 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>	10 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
-------------------	--

## Environmental Specifications

<b>Installation temperature</b>	-40 °C to +70 °C (-40 °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>EN50575 CPR Cable EuroClass Fire Performance</b>	Dca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d2
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<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

5-1594824-6 | C-144-LA-8W-M12YL/25G/GRP/D

---

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
--------------	---------------------------

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



Included Products

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

\* Footnotes

Operating Temperature	Specification applicable to non-terminated bulk fiber cable
-----------------------	---