

2-1716211-4 | C-012-L2-8W-M12BK/40G/GY/FS/B

---



Fiber Indoor/Outdoor cable, TeraSPEED®, 120 min Fire Survival, Low Smoke Zero Halogen (LSZH), 12 fiber, Gel-Filled, Central Loose Tube, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color. Provides Rodent Resistance.

## Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-L2

## General Specifications

Armor Type	Corrugated steel
Cable Type	Loose tube
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMScope GB SYSTEM F O CABLE X-1716211-4 INT/EXT FIRE SURVIVAL 12 X 9/125 OS2 [Serial NUMBER] [METRE MARK]
Fibers per Subunit, quantity	12
Total Fiber Count	12

## Dimensions

Cable Length	2000 m   6,561.68 ft
Buffer Tube/Subunit Diameter	4 mm   0.157 in
Diameter Over Jacket	12.7 mm   0.5 in

## Mechanical Specifications

Minimum Bend Radius, loaded	330 mm   12.992 in
Minimum Bend Radius, unloaded	255 mm   10.039 in
Tensile Load, long term, maximum	400 N   89.924 lbf

# 2-1716211-4 | C-012-L2-8W-M12BK/40G/GY/FS/B

<b>Tensile Load, short term, maximum</b>	1400 N   314.733 lbf
<b>Compression</b>	30 N/mm   171.304 lb/in
<b>Compression Test Method</b>	IEC 60794-1 E3
<b>Impact</b>	10 N-m   88.507 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
-------------------	--

## Optical Specifications, Wavelength Specific

<b>Attenuation, maximum</b>	0.22 dB/km @ 1,550 nm   0.34 dB/km @ 1,310 nm
<b>Standards Compliance</b>	TIA-492CAAB (OS2)

## Environmental Specifications

<b>Operating Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Storage Temperature</b>	-33 °C to +40 °C (-27.4 °F to +104 °F)
<b>Cable Qualification Standards</b>	EN 187105   IEC 60794-1-2
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	B2ca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1b
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d0
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Aerial, lashed   Buried   Universal Low Smoke Zero Halogen (ULSZH)
<b>Flame Test Listing</b>	EN 50399   IEC 60332-1-2
<b>Flame Test Method</b>	EN 50399   IEC 60331-25 (120) Fire resistance: 120 minutes at 750 °C (no fiber break)   IEC 60332-1-2   IEC 60754-2   IEC 61034-2
<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

2-1716211-4 | C-012-L2-8W-M12BK/40G/GY/FS/B

---

Low High Bend Test Method	IEC 60794-1 E11
Temperature Cycle	-25 °C to +70 °C (-13 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1 F1

Packaging and Weights

Cable weight	216 kg/km   145.145 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-250-EMEA – LightScope® ZWP Singlemode Fiber  
8W-250um

\* Footnotes

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