

# 2-599691-4 | C-024-CA-8W-M24BK/40G/GY



Fiber indoor/outdoor Cable, Armored LSZH, G.652.D and G.657.A1, 24 fiber, loose tube, gel-filled

## Product Classification

<b>Regional Availability</b>	Australia/New Zealand   EMEA
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor/outdoor cable
<b>Product Series</b>	C-CA

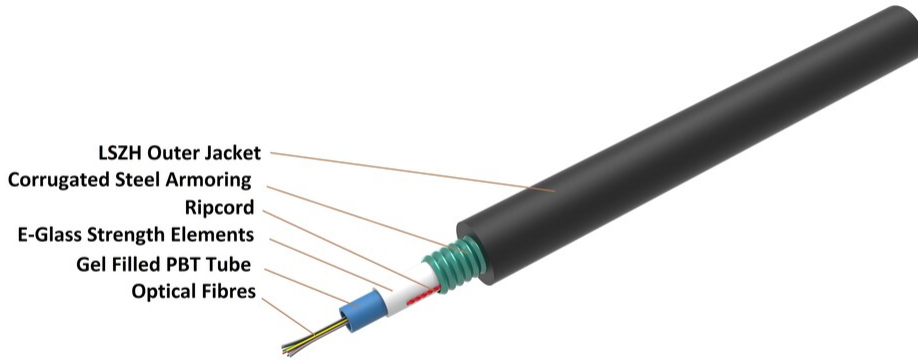
## General Specifications

<b>Armor Type</b>	Corrugated steel
<b>Cable Type</b>	Loose tube
<b>Subunit Type</b>	Gel-filled
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Jacket Marking Method</b>	Inkjet
<b>Jacket Marking Text</b>	COMMSCOPE GB SYSTEM F.O. CABLE X-599691-4 CSA GEL LOOSE TUBE 24X9/125 OS2 ULSZH (Serial NUMBER) (METRE MARK)
<b>Fibers per Subunit, quantity</b>	24
<b>Total Fiber Count</b>	24

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	4 mm   0.157 in
<b>Diameter Over Jacket</b>	10.5 mm   0.413 in

## Representative Image



## Material Specifications

**Jacket Material** Low Smoke Zero Halogen (LSZH)

## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	210 mm   8.268 in
<b>Minimum Bend Radius, unloaded</b>	160 mm   6.299 in
<b>Tensile Load, long term, maximum</b>	625 N   140.506 lbf
<b>Tensile Load, short term, maximum</b>	1200 N   269.771 lbf
<b>Cable Crush Resistance, maximum</b>	30 N/mm   171.304 lb/in
<b>Compression Test Method</b>	IEC 60794-1-2 E3
<b>Impact</b>	5 N-m   44.254 in lb
<b>Impact Test Method</b>	IEC 60794-1-21 E4
<b>Twist</b>	5 cycles
<b>Twist Test Method</b>	IEC 60794-1-21 E7

## Optical Specifications

**Fiber Type** G.652.D and G.657.A1

## Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.22 dB/km @ 1,550 nm | 0.36 dB/km @ 1,310 nm

## Environmental Specifications

<b>Installation temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Operating Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Storage Temperature</b>	-20 °C to +75 °C (-4 °F to +167 °F)
<b>Cable Qualification Standards</b>	IEC 60794-1-2
<b>Environmental Space</b>	Buried   Ducted   Indoor/Outdoor   Outdoor
<b>Flame Test Method</b>	IEC 60332-1   IEC 60754-1   IEC 60754-2   IEC 61034-2
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5

## Environmental Test Specifications

<b>Temperature Cycle</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	IEC 60794-1-2 F1

## Packaging and Weights

<b>Cable weight</b>	151 kg/km   101.467 lb/kft
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## Regulatory Compliance/Certifications

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



## Included Products

CS-8W-LT	- TeraSPEED® G652D/G657A1 Singlemode Fiber
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## \* Footnotes

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