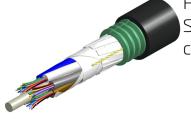
# 760249747 | C-072-LA-8Z-M12BK/22G/093



Fiber indoor/outdoor cable, loose tube gel-filled CST, 72 fiber, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

# Product Classification

Regional Availability	Asia   Australia/New Zealand
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-LA
General Specifications	
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Fibers per Subunit, quantity	12
Total Fiber Count	72
Dimensions	
Buffer Tube/Subunit Diameter	2.2 mm   0.087 in
Diameter Over Jacket	12.3 mm   0.484 in

# Representative Image

Page 1 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 1, 2025



# 760249747 | C-072-LA-8Z-M12BK/22G/093

LSZH Outer Jacket Steel Tape Armoring Strength Elements Water Swellable Tape Binder Ripcord (2) 2.2 mm Gel-Filled Buffer Tubes 250 micron Fibers Dielectric Strength Member

## Mechanical Specifications

Minimum Bend Radius, loaded	246 mm   9.685 in
Minimum Bend Radius, unloaded	123 mm   4.843 in
Tensile Load, short term, maximum	2000 N   449.618 lbf
Compression	15 N/mm   85.652 lb/in
Compression Test Method	IEC 60794-1-2 E3
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1-21 E1

#### **Optical Specifications**

Fiber Type

G.652.D and G.657.A1 | OS2

#### Optical Specifications, Wavelength Specific

Attenuation, maximum

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

## **Environmental Specifications**

Installation temperature	-10 °C to +50 °C (+14 °F to +122 °F)
Operating Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Environmental Space	Buried   Ducted   Indoor/Outdoor   Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-1   IEC 60332-3-24   IEC 60754-2   IEC 61034-2
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5B

Page 2 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 1, 2025



# 760249747 | C-072-LA-8Z-M12BK/22G/093

#### **Environmental Test Specifications**

**Temperature Cycle** 

-30 °C to +70 °C (-22 °F to +158 °F)

**Temperature Cycle Test Method** 

IEC 60794-1-2 F1

Packaging and Weights

Cable weight

171 kg/km | 114.907 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



# \* Footnotes

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

Page 3 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 1, 2025

