# 1593197-5 | 0-024-CN-8W-M24NS/40G/GY



Outdoor Fiber Optic Cable, 24 fiber, OS2, LDPE, loose tube, gel-filled

Product Classification
------------------------

Regional Availability	Asia   EMEA
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-CN
General Specifications	
Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 1593197-5 24X9/125 OS2 LLDPE (Serial NUMBER) (METRE MARK)
Fibers per Subunit, quantity	24
Total Fiber Count	24
Dimensions	
Buffer Tube/Subunit Diameter	4 mm   0.157 in
Diameter Over Jacket	9.2 mm   0.362 in

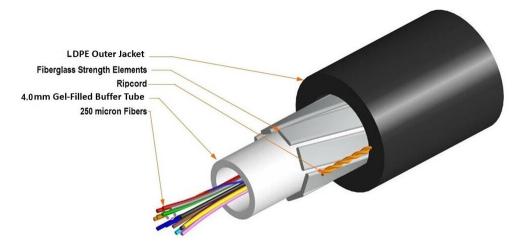
### Representative Image

Page 1 of 3

©2024 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: June 5, 2024



# 1593197-5 | 0-024-CN-8W-M24NS/40G/GY



### Material Specifications

Jacket Material	PE	
Mechanical Specifications		
Minimum Bend Radius, loaded	185 mm   7.283 in	
Minimum Bend Radius, unloaded	160 mm   6.299 in	
Tensile Load, long term, maximum	890 N   200.08 lbf	
Tensile Load, short term, maximum	2200 N   494.58 lbf	
Compression	20 N/mm   114.203 lb/in	
Compression Test Method	IEC 60794-1-2 E3	
Flex	25 cycles	
Strain	See long and short term tensile loads	
Strain Test Method	IEC 60794-1-2-E1	
Optical Specifications		
Fiber Type	OS2	
Optical Specifications, Wavelength Specific		
Attenuation, maximum	0.22 dB/km @ 1,550 nm   0.34 dB/km @ 1,310 nm	

#### **Environmental Specifications**

Installation temperature

-5 °C to +50 °C (+23 °F to +122 °F)

Page 2 of 3

©2024 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: June 5, 2024



# 1593197-5 | 0-024-CN-8W-M24NS/40G/GY

Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Environmental Space	Buried   Ducted   Outdoor
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

### Packaging and Weights

Cable weight

74 kg/km | 49.726 lb/kft

#### Regulatory Compliance/Certifications

Classification

#### Agency

ROHS

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



## \* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 3 of 3

©2024 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: June 5, 2024

