760249696 | 0-012-CN-5Y-M12BK/28G/093



Fiber OSP cable, PE, Gel-filled Central Tube, All-dielectric, 12 fiber, Multimode OM3, Meters jacket marking, Black jacket color

Product Classification

Regional Availability	Asia Australia/New Zealand
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
Fibers per Subunit, quantity	12
Total Fiber Count	12
Dimensions	
Buffer Tube/Subunit Diameter	2.8 mm 0.11 in
Diameter Over Jacket	6 mm 0.236 in

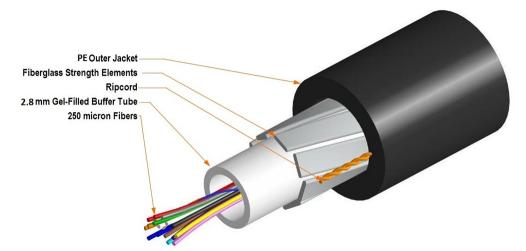
Representative Image

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 6, 2025



760249696 | 0-012-CN-5Y-M12BK/28G/093



Material Specifications

Jacket Material	PE
Mechanical Specifications	
Minimum Bend Radius, loaded	120 mm 4.724 in
Minimum Bend Radius, unloaded	60 mm 2.362 in
Tensile Load, long term, maximum	300 N 67.443 lbf
Tensile Load, short term, maximum	1000 N 224.809 lbf
Compression	15 N/mm 85.652 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	OM3
Optical Specifications, Wavelength Specific	
Attenuation, maximum	1.00 dB/km @ 1,300 nm 3.00 dB/km @ 850 nm

Environmental Specifications

Installation temperature

-10 °C to +60 °C (+14 °F to +140 °F)

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 6, 2025



760249696 | 0-012-CN-5Y-M12BK/28G/093

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Environmental Space	Buried Ducted Outdoor
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5C

Environmental Test Specifications

 Temperature Cycle
 -40 °C to +70 °C (-40 °F to +158 °F)

 Temperature Cycle Test Method
 IEC 60794-1-2 F1

Packaging and Weights

Cable weight

35 kg/km | 23.519 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 6, 2025

