# 760249708 | 0-012-CA-5X-M12BK/28G/093



Fiber OSP cable, PE, Gel-filled Central Tube, CST, 12 fiber, Multimode OM4, Meters jacket marking, Black jacket color

### Product Classification

Regional Availability	Asia   Australia/New Zealand	
Portfolio	CommScope®	
Product Type	Fiber OSP cable	
Product Series	O-CA	
General Specifications		
Cable Type	Central loose tube	
Construction Type	Armored	
Subunit Type	Gel-filled	
Jacket Color	Black	
Jacket Marking	Feet	
Fibers per Subunit, quantity	12	
Total Fiber Count	12	
Dimensions		
Buffer Tube/Subunit Diameter	2.8 mm   0.11 in	
Diameter Over Jacket	9.1 mm   0.358 in	
Mechanical Specifications		
Minimum Bend Radius, loaded	182 mm   7.165 in	
Minimum Bend Radius, unloaded	91 mm   3.583 in	
Tensile Load, long term, maximum	890 N   200.08 lbf	
Tensile Load, short term, maximum	2700 N   606.984 lbf	
Compression	20 N/mm   114.203 lb/in	
Compression Test Method	IEC 60794-1-2 E3	

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 6, 2024



# 760249708 | 0-012-CA-5X-M12BK/28G/093

Flex		25 cycles
Strain		See long and short term tensile loads
Strain Test Method		IEC 60794-1-2-E1
Strain Test Method IEC 00/94-1-2-E1		
Optical Specifications		
Fiber Type		OM4
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)
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 F5B
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		92 kg/km   61.821 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	

### Included Products

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 6, 2024

**COMMSCOPE**°

### 760249708 | 0-012-CA-5X-M12BK/28G/093

CS-5X-LT-3.0/1.0/093 – OM4 Bend-Insensitive Multimode Fiber

#### \* 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 6, 2024

