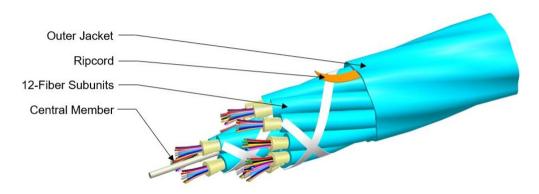
# N-144-MP-8F-F12

Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber multi-unit with 12 fiber subunits, Gel-free, Singlemode G.657.A1, Feet jacket marking, Dca flame rating

#### Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America	
Portfolio	CommScope®	
Product Type	Fiber indoor cable	
Product Series	N-MP	
General Specifications		
Cable Type	MPO trunk cable	
Construction Type	Non-armored	
Subunit Type	Gel-free	
Jacket Marking	Feet	
Subunit, quantity	12	
Fibers per Subunit, quantity	12	
Total Fiber Count	144	
Dimensions		
Buffer Tube/Subunit Diameter	3 mm   0.118 in	
Diameter Over Jacket	14.22 mm   0.56 in	

#### Representative Image



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## N-144-MP-8F-F12

### Mechanical Specifications

Minimum Bend Radius, loaded	200 mm   7.874 in
Minimum Bend Radius, unloaded	133 mm   5.236 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	1335 N   300.12 lbf
Compression	10 N/mm   57.101 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	300 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	5.88 N-m   52.042 in lb
Impact Test Method	FOTP-25   IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33   IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85   IEC 60794-1 E7
Vertical Rise, maximum	280 m   918.635 ft

### Environmental Specifications

Installation temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596   Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)   Riser
Flame Test Listing	NEC OFNR-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685

#### Environmental Test Specifications

Heat Age

-20 °C to +85 °C (-4 °F to +185 °F)

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## N-144-MP-8F-F12

Heat Age Test Method		IEC 60794-1 F9	
Low High Bend		-20 °C to +70 °C (-4 °F to +158 °F)	
Low High Bend Test Me	thod	FOTP-37   IEC 60794-1 E11	
Temperature Cycle		-20 °C to +70 °C (-4 °F to +158 °F)	
Temperature Cycle Test Method		FOTP-3   IEC 60794-1 F1	
Packaging and Weights			
Cable weight		146 kg/km   98.107 lb/kft	
Regulatory Compliance/Certifications			
Agency	Classification		
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available		
ISO 9001:2015 Cenelec	Designed, manufactured and/or	distributed under this quality management system	
* Footnotes			

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

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