# UGGMXUCRF

#### **Base Product**



# Ultra Low Loss (ULL) Singlemode MPO12 (Pinned) to Unconnectorized Pre-terminated Trunk Cable, 24-Fiber, Rollable Ribbon, Plenum, 12 fiber

#### Product Classification

Regional Availability	Asia   Australia/New Zealand   Europe   Latin America   Middle East /Africa   North America	
Portfolio	CommScope®	
Product Type	Fiber trunk cable assembly	
Product Brand	SYSTIMAX ULL	
Ordering Note	For additional jacket colors, please contact a CommScope Sales Representative   For lengths greater than 999 ft (304 m), orders must be in meters   Minimum length may vary	

based on cable configuration

### General Specifications

Color, boot A	Black
Color, connector A	Green
Construction Type	Rollable ribbon   Stranded
Furcation Color	Yellow
Interface, Connector A	MPO-12/APC Male
Interface, Connector B	Unterminated
Jacket Color	Yellow
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	12
Total Fibers, quantity	24
Dimensions	

Cable Assembly Length Range (m)	5 - 999
Cable Assembly Length Range (ft)	15 - 999

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# UGGMXUCRF

# Ordering Tree

BASI	E CODE				•
Jacket Color		Breakout Length / Option	l	L	ength
Yellow	E	41 inch breakout, 432/576/864 Fibers, existing bracket MTG, No Glands, with pulling grip			
	F	31 inch breakout, 96/144/288 Fibers, non-gland MTG panel, with pulling grip		ι	JOM
	G	31 inch breakout, 24/48/96/144/288 Fibers, gland MTG panel, with pulling grip		F M	Feet Meter
	v	60 inch breakout, 24/48 Fibers only, non-gland MTG panel, with pulling grip			
	А	33 inch breakout, 72/96/144/288 Fibers, no gland or pulling grip			
	J	23 inch breakout, non-gland MTG panel, no pulling grip			

# **Optical Specifications**

Fiber Mode	Singlemode
Fiber Type	G.657.A2, TeraSPEED®

# **Environmental Specifications**

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Environmental Space	Indoor   Plenum

### Included Products

760251512 P-024-MP-RR-F12YL/8G1/99N	-	Indoor Plenum Rollable Ribbon Backbone Cable
860638317	-	MP012, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm

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#### P-024-MP-RR-F12YL/8G1/99N 760251512



#### Indoor Plenum Rollable Ribbon Backbone Cable

/Africa | North America

CommScope®

P-MP

Fiber indoor cable

**Regional Availability** 

Portfolio

**Product Type** 

**Product Series** 

#### **General Specifications**

Cable Type	Cordage
Construction Type	Non-armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Jacket Color	Yellow
Jacket Marking	Feet
Subunit, quantity	1
Fibers per Subunit, quantity	24
Total Fiber Count	24
Dimensions	
Buffer Tube/Subunit Diameter	3.8 mm   0.15
Diameter Over Jacket	5.4 mm   0.21

### Representative Image

Asia | Australia/New Zealand | Latin America | Middle East

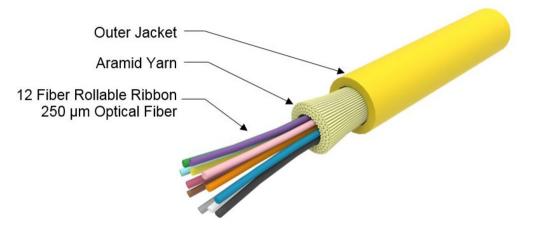
5 in 5.4 mm | 0.213 in

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# 760251512 | P-024-MP-RR-F12YL/8G1/99N



# Mechanical Specifications

Minimum Bend Radius, loaded	108 mm   4.252 in
Minimum Bend Radius, unloaded	43 mm   1.693 in
Tensile Load, long term, maximum	198 N   44.512 lbf
Tensile Load, short term, maximum	660 N   148.374 lbf
Compression	10 N/mm   57.101 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	2.94 N-m   26.021 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
Optical Specifications	
Fiber Type	G.657.A2/B2   G.657.A2/B2

#### **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)

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# 760251512 | P-024-MP-RR-F12YL/8G1/99N

Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696   ANSI/ICEA S-83-596   Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFNP (UL) and c(UL)

# Environmental Test Specifications

Heat Age	0 °C to +85 °C (+32 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	0 °C to +60 °C (+32 °F to +140 °F)
Low High Bend Test Method	FOTP-37   IEC 60794-1 E11
Temperature Cycle	0 °C to +70 °C (+32 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1 F1

### Packaging and Weights

#### Cable weight

32.8 kg/km | 22.041 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

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860638317



# MPO12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm

Prod	uct C	lassific	ation

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber connector
Product Brand	TeraSPEED®
General Specifications	
Color	Green
Color, boot	Black
Ferrule Geometry	Angled
Interface	MPO/APC Male
Interface Feature	Pinned
Total Fiber Count	12
Dimensions	
Length	60.1 mm   2.366 in
Compatible Cable Diameter	3 mm   0.118 in
Material Specifications	
Ferrule Material	Polymer
Mechanical Specifications	
Cable Retention Strength, maximum	11.24 lb @ 0 °
Mechanical Components Standard	IEC 61754-7
Optical Specifications	
Fiber Mode	Singlemode
Fiber Type	G.652.D and G.657.A1, TeraSPEED®   OS2

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# 860638317

Insertion Loss Change, mating	0.3 dB
Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss Change, temperature	0.3 dB
Insertion Loss, maximum	0.35 dB
Return Loss, minimum	65 dB

# Packaging and Weights

Packaging quantity

1

# Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant
<b>150</b> 9001:2015	

### \* Footnotes

Insertion Loss Change, matingTIA-568: Maximum insertion loss change after 500 matingsInsertion Loss Change, temperatureMaximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)

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