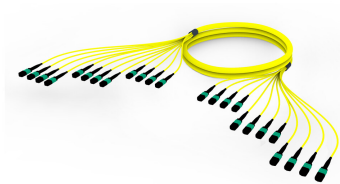


# UGGMXMXRM

Base Product



Ultra Low Loss (ULL) Singlemode MPO12 (Pinned) to MPO12 (Pinned), Fiber Trunk Cable Assembly, 144-Fiber, Rollable Ribbon Central Tube, Plenum

## Product Classification

Regional Availability	Latin America   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

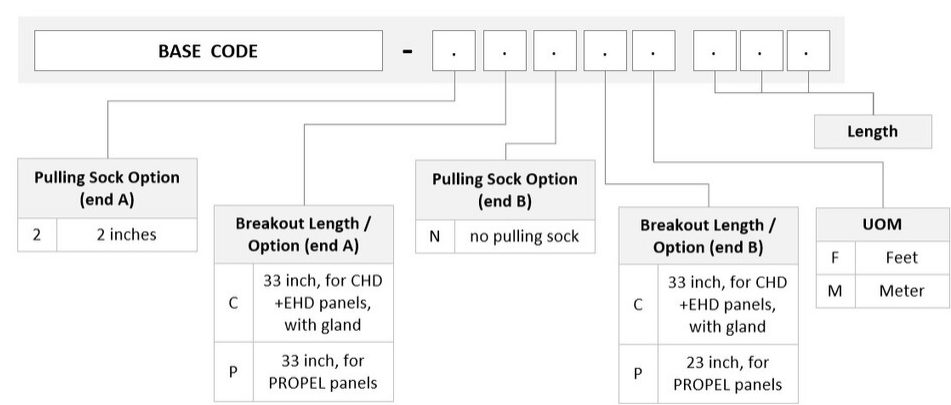
Color, boot A	Black
Color, connector A	Green
Color, boot B	Black
Color, connector B	Green
Construction Type	Rollable ribbon
Furcation Color	Yellow
Interface, Connector A	MPO-12/APC Male
Interface, Connector B	MPO-12/APC Male
Jacket Color	Yellow
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	12
Total Fibers, quantity	144

## Dimensions

Cable Assembly Length Range (m)	3 – 999
Cable Assembly Length Range (ft)	10 – 999

# UGGMXXMXRM

## Ordering Tree



## Mechanical Specifications

**Cable Retention Strength, maximum** 11.24 lb @ 0 ° | 4.40 lb @ 90 °

## Optical Specifications

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

## Environmental Specifications

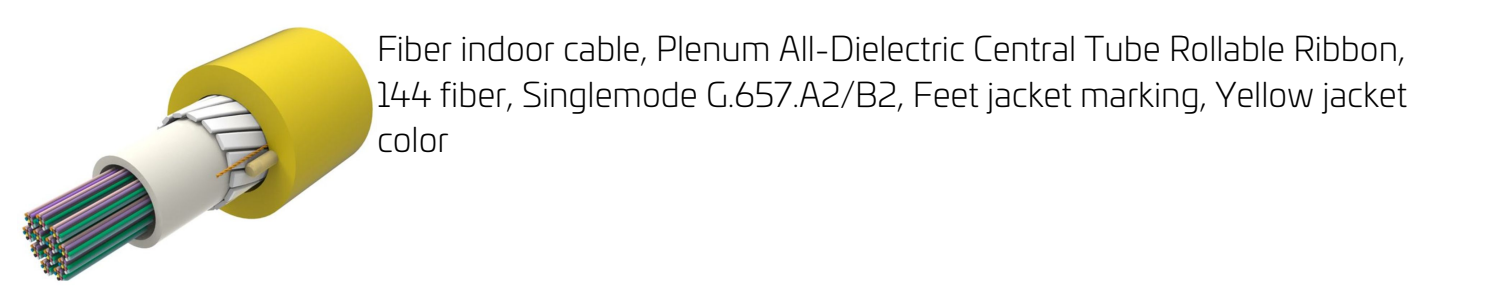
**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)  
**Environmental Space** Plenum

## Regulatory Compliance/Certifications

**Agency** ISO 9001:2015  
**Classification** Designed, manufactured and/or distributed under this quality management system

## Included Products

- 760246289 - Fiber indoor cable, Plenum All-Dielectric Central Tube Rollable Ribbon, 144 fiber, Singlemode G. P-144-CN-RR-F12YL/8G1/99E 657.A2/B2, Feet jacket marking, Yellow jacket color
- 860638317 - MPO12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm



Fiber indoor cable, Plenum All-Dielectric Central Tube Rollable Ribbon, 144 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color

Product Classification

Regional Availability	Asia   Australia/New Zealand   Latin America   Middle East /Africa   North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	P-CN

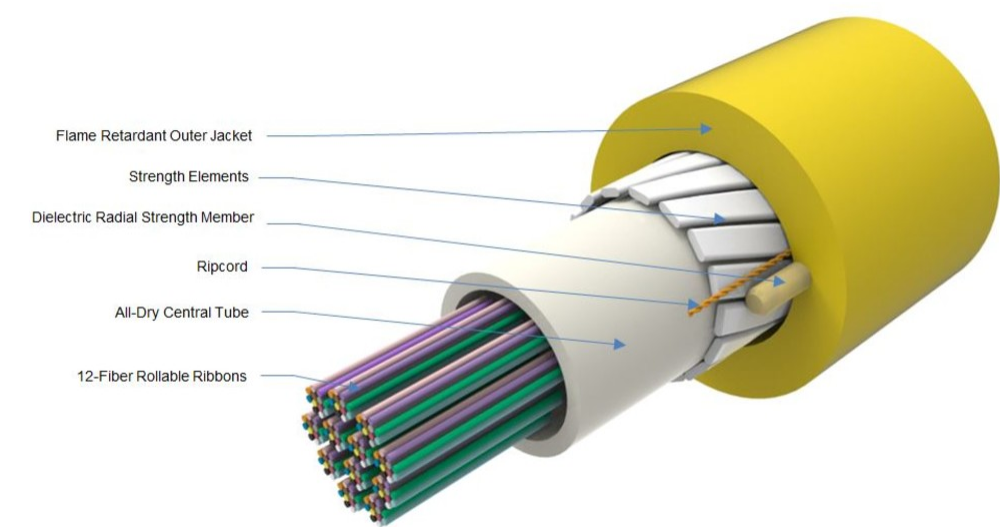
General Specifications

Cable Type	Ribbon central tube
Construction Type	Non-armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Jacket Color	Yellow
Jacket Marking	Feet
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	6 mm   0.236 in
Diameter Over Jacket	9.6 mm   0.378 in

Representative Image



## Mechanical Specifications

Minimum Bend Radius, loaded	193 mm   7.598 in
Minimum Bend Radius, unloaded	76.2 mm   3 in
Tensile Load, long term, maximum	334 N   75.086 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	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
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## Environmental Specifications

Installation temperature	0 °C to +70 °C (+32 °F to +158 °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
Environmental Space	Plenum
Flame Test Listing	NEC OFNP (UL) and c(UL)
Flame Test Method	NFPA 130   NFPA 262

## Environmental Test Specifications

Heat Age	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	0 °C to +70 °C (+32 °F to +158 °F)
Low High Bend Test Method	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	97 kg/km   65.181 lb/kft
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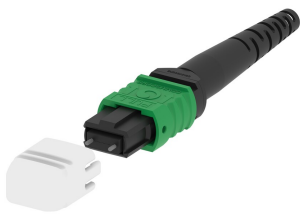
## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

Operating Temperature	Specification applicable to non-terminated bulk fiber cable
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MPO12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm

Product Classification

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
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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
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
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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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



\* Footnotes

Insertion Loss Change, mating	TIA-568: Maximum insertion loss change after 500 matings
Insertion Loss Change, temperature	Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)