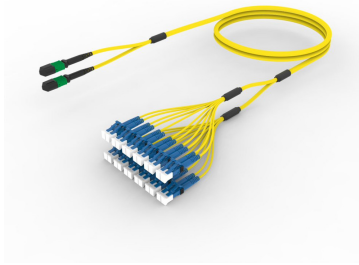


# UNGMXLCCF

## Base Product



Ultra Low Loss ULL TeraSPEED® MPO(Pinned) to LC/UPC Ruggedized fanout Cable, 24-Fiber, LSZH, 12 fiber PmP 2.0 mm Dca

## Product Classification

### Regional Availability

Asia | Australia/New Zealand | Europe | Latin America | Middle East/Africa | North America

### Portfolio

CommScope®

### Product Type

Ruggedized fanout

### 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

Blue

### Color, connector B

Blue

### Construction Type

Stranded

### Furcation Color

Yellow

### Interface, Connector A

MPO-12/APC Male

### Interface, Connector B

LC/UPC

### Interface Feature, connector B

ULL

### Jacket Color

Yellow

### Polarity

Method B Enhanced (ULL)

### Fibers per Subunit, quantity

12

### Total Fibers, quantity

24

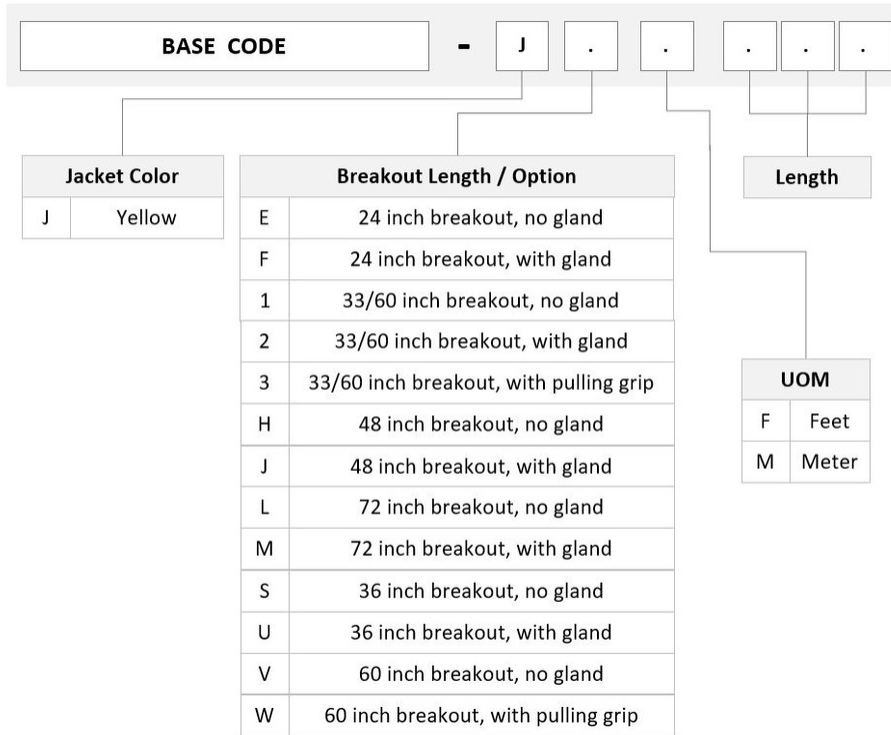
## Dimensions

# UNGMXLCCF

**Cable Assembly Length Range (m)** 3 – 999

**Cable Assembly Length Range (ft)** 10 – 999

## Ordering Tree



## 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)

**EN50575 CPR Cable EuroClass Fire Performance** Dca

**Environmental Space** Dual Rated LSZH/Riser | Indoor

## Regulatory Compliance/Certifications

Agency	Classification
ANATEL	Compliant

# UNGMXLCCF

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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



## Included Products

760246345 N-024-MP-8G1-F12YL/20T/D	-	Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 24 fiber with 12 fiber 2.0mm subunits, Singlemode G.657.A2/B2, Gel-free, Feet jacket marking, Yellow jacket color, Dca Flame rating
860637435	-	LC/UPC Connector, Singlemode, Blue, Short Boot
860659010	-	MPO-12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 2mm



Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 24 fiber with 12 fiber 2.0mm subunits, Singlemode G.657.A2/B2, Gel-free, Feet jacket marking, Yellow jacket color, Dca Flame rating

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor cable
<b>Product Series</b>	N-MP

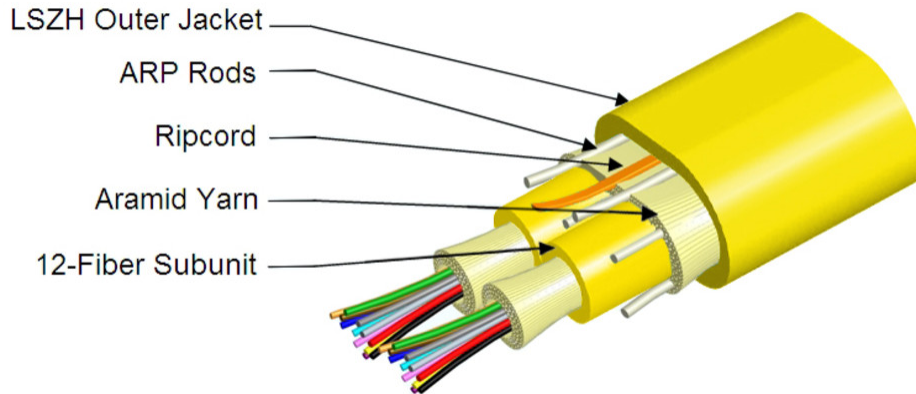
## General Specifications

<b>Cable Type</b>	MPO trunk cable
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Jacket Color</b>	Yellow
<b>Jacket Marking</b>	Feet
<b>Subunit, quantity</b>	2
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	24

## Dimensions

<b>Height Over Jacket</b>	4.5 mm   0.177 in
<b>Width Over Jacket</b>	6.2 mm   0.244 in
<b>Buffer Tube/Subunit Diameter</b>	2 mm   0.079 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	67 mm   2.638 in
<b>Minimum Bend Radius, unloaded</b>	45 mm   1.772 in
<b>Tensile Load, long term, maximum</b>	200 N   44.962 lbf
<b>Tensile Load, short term, maximum</b>	667 N   149.948 lbf
<b>Compression</b>	10 N/mm   57.101 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	300 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	2.94 N-m   26.021 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7
<b>Vertical Rise, maximum</b>	500 m   1,640.42 ft

## Optical Specifications

<b>Fiber Type</b>	G.657.A2/B2   OS2
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## Environmental Specifications

<b>Installation temperature</b>	0 °C to +60 °C (+32 °F to +140 °F)
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# 760246345 | N-024-MP-8G1-F12YL/20T/D

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<b>Operating Temperature</b>	0 °C to +70 °C (+32 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-83-596   Telcordia GR-409
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Dca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d1
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)   Riser
<b>Flame Test Listing</b>	NEC OFNR-ST1 (ETL) and c(ETL)
<b>Flame Test Method</b>	IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685

## Environmental Test Specifications

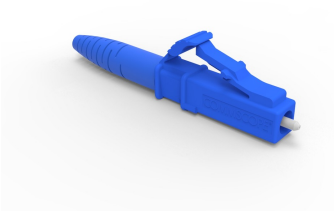
<b>Heat Age</b>	0 °C to +85 °C (+32 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	0 °C to +60 °C (+32 °F to +140 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	0 °C to +70 °C (+32 °F to +158 °F)
<b>Temperature Cycle Test Method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

## Packaging and Weights

<b>Cable weight</b>	33 kg/km   22.175 lb/kft
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## \* Footnotes

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



LC/UPC Connector, Singlemode, Blue, Short Boot

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber connector

## General Specifications

<b>Color, boot</b>	Blue
<b>Color, housing</b>	Blue
<b>Interface</b>	LC/UPC

## Dimensions

<b>Length</b>	41.6 mm   1.638 in
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## Material Specifications

<b>Ferrule Material</b>	Zirconia
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## Mechanical Specifications

<b>Cable Retention Strength, maximum</b>	11.24 lb @ 0 °
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## Optical Specifications

<b>Fiber Mode</b>	Singlemode
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Optical Components Standard</b>	ANSI/TIA-568. 3-D   IEC 61753-1
<b>Insertion Loss Change, temperature</b>	0.3 dB
<b>Insertion Loss, maximum</b>	0.25 dB
<b>Return Loss, minimum</b>	55 dB

## Regulatory Compliance/Certifications

# 860637435

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**Agency**

CHINA-ROHS

ROHS

UK-ROHS

**Classification**

Below maximum concentration value

Compliant

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)



# 860659010

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MPO-12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 2mm

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber connector
<b>Product Brand</b>	TeraSPEED®

## General Specifications

<b>Color</b>	Green
<b>Color, boot</b>	Black
<b>Ferrule Geometry</b>	Angled
<b>Interface</b>	MPO/APC Male
<b>Interface Feature</b>	Pinned
<b>Total Fiber Count</b>	12

## Dimensions

<b>Compatible Cable Diameter</b>	2 mm   0.079 in
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## Material Specifications

<b>Ferrule Material</b>	Polymer
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## Optical Specifications

<b>Fiber Mode</b>	Singlemode
<b>Fiber Type</b>	G.657.A2
<b>Optical Components Standard</b>	ANSI/TIA-568-C.3
<b>Insertion Loss, ULL, maximum</b>	0.35 dB
<b>Return Loss, minimum</b>	65 dB

## Packaging and Weights

# 860659010

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**Packaging quantity**

1