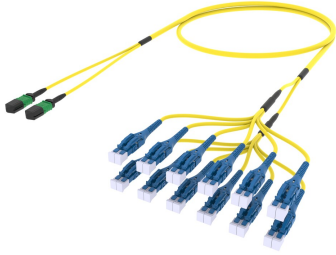


# ULGMPLUCF

## Base Product



Ultra Low Loss ULL TeraSPEED® MPO(Unpinned) to LC/UPC Uniboot Ruggedized fanout Cable, 24-Fiber, Plenum, 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 Female

### Interface, Connector B

LC/UPC

### Interface Feature, connector B

Uniboot

### Jacket Color

Yellow

### Polarity

Method B Enhanced (ULL)

### Fibers per Subunit, quantity

12

### Total Fibers, quantity

24

## Dimensions

### Cable Assembly Length Range (m)

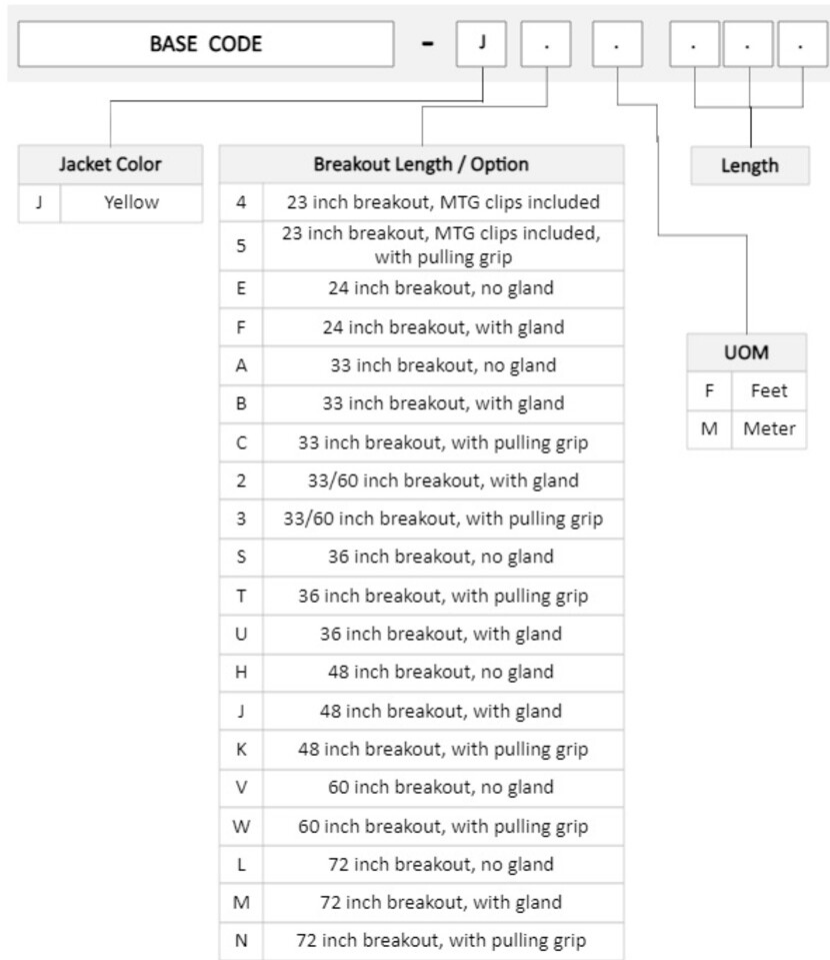
2 – 999

# ULGMPLUCF

Cable Assembly Length Range (ft)

7 – 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**

Indoor | Plenum

# ULGMPLUCF

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## Regulatory Compliance/Certifications

Agency	Classification
ANATEL	Compliant
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

760242051	-	Fiber indoor cable, Plenum for MPO Trunks, 24 fiber with 12 fiber subunits, Singlemode G.657.
P-024-MP-8G-F12YL/20T		A2/B2, Feet jacket marking, Yellow jacket color
860658160	-	LC/UPC Uniboot Connector, Singlemode, Blue
860659016	-	MPO12, ULL, FEMALE, SM, GREEN, 2MM



Fiber indoor cable, Plenum for MPO Trunks, 24 fiber with 12 fiber subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   Latin America   Middle East /Africa   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor cable
<b>Product Series</b>	P-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>	5.4 mm   0.213 in
<b>Width Over Jacket</b>	7.15 mm   0.281 in
<b>Buffer Tube/Subunit Diameter</b>	2 mm   0.079 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	81 mm   3.189 in
<b>Minimum Bend Radius, unloaded</b>	54 mm   2.126 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>	0.74 N-m   6.55 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>	440 m   1,443.57 ft

## Optical Specifications

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

<b>Installation temperature</b>	0 °C to +70 °C (+32 °F to +158 °F)
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# 760242051 | P-024-MP-8G-F12YL/20T

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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>Environmental Space</b>	Plenum
<b>Flame Test Listing</b>	NEC OFNP (ETL) and c(ETL)
<b>Flame Test Method</b>	NFPA 130   NFPA 262

## 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 +70 °C (+32 °F to +158 °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>	46.4 kg/km   31.179 lb/kft
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## Regulatory Compliance/Certifications

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

### \* Footnotes

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

# 860658160

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## LC/UPC Uniboot Connector, Singlemode, Blue

### 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>	64 mm   2.52 in
<b>Compatible Cable Diameter</b>	1.6 mm   0.063 in   2 mm   0.079 in

### 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>	0.2 dB
<b>Insertion Loss, ULL, maximum</b>	0.25 dB
<b>Return Loss, minimum</b>	55 dB

### Regulatory Compliance/Certifications

# 860658160

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Agency	Classification
CHINA-ROHS	Above maximum concentration value
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



## \* 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)



# 860659016

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MPO12, ULL, FEMALE, SM, 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 Female
<b>Interface Feature</b>	Unpinned
<b>Total Fiber Count</b>	12

## Dimensions

<b>Length</b>	60.1 mm   2.366 in
<b>Compatible Cable Diameter</b>	2 mm   0.079 in

## Material Specifications

<b>Ferrule Material</b>	Polymer
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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>Fiber Type</b>	G.652.D and G.657.A1, TeraSPEED®   OS2
<b>Insertion Loss Change, mating</b>	0.35 dB
<b>Optical Components Standard</b>	ANSI/TIA-568-C.3

# 860659016

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**Insertion Loss, maximum** 0.35 dB

**Return Loss, minimum** 65 dB

## Packaging and Weights

**Packaging quantity** 1

## \* Footnotes

**Insertion Loss Change, mating** TIA-568: Maximum insertion loss change after 500 matings