# UHGRZUC8H

#### **Base Product**



Singlemode MPO16 APC (pinned) to Unconnectorized, Fiber Trunk Cable Assembly, 48-Fiber, Armored Indoor Plenum

### Product Classification

Regional Availability	Asia   Australia/New Zealand   China   Europe   India   Latin America   Middle East/Africa   North America
Portfolio	CommScope®
Product Type	Fiber trunk cable assembly
Product Brand	Propel   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

Connector A, quantity	3
Color, boot A	Black
Color, connector A	Green
Connector B, quantity	0
Construction Type	Armored   Stranded
Furcation Color	Yellow
Interface, Connector A	MPO-16/APC Male
Interface, Connector B	Unterminated
Jacket Color	Yellow
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	16
Total Fibers, quantity	48
Dimensions	
Breakout Length	22 in

Cable Assembly Length Range (m) 3 - 305

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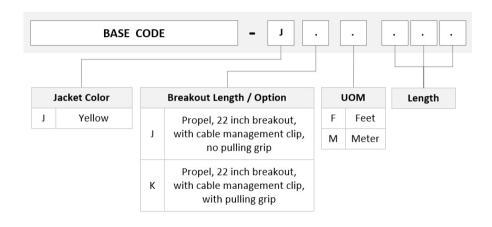


# UHGRZUC8H

Cable Assembly Length Range (ft)

10 - 999

# 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	Indoor   Plenum	

#### Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above 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/Exempted
UK-ROHS	Compliant/Exempted



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#### Included Products

760256187 P-048-MZ-8G1-F16YL	-	Fiber indoor cable, Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 48 fiber multi-unit with 16 fiber subunits, Gel-free, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color
860661406	-	MP016,ULL,MALE,SM,GREEN, 3mm

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Fiber indoor cable, Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 48 fiber multi-unit with 16 fiber subunits, Gel-free, 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-MZ
General Specifications	
Armor Type	Interlocking aluminum
Cable Type	MPO trunk cable
Construction Type	Armored
Subunit Type	Gel-free
Filler, quantity	1
Jacket Color	Yellow
Jacket Marking	Feet
Subunit, quantity	3
Fibers per Subunit, quantity	16
Total Fiber Count	48
Dimensions	
Buffer Tube/Subunit Diameter	3 mm   0.118 in
Diameter Over Armor	15.88 mm   0.625 in
Diameter Over Jacket	17.9 mm   0.705 in

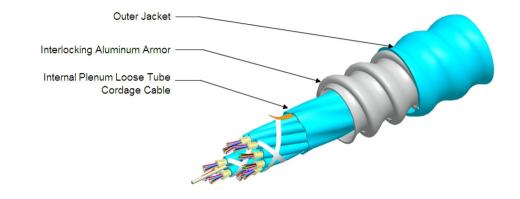
## Representative Image

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# 760256187 | P-048-MZ-8G1-F16YL



#### Mechanical Specifications

Minimum Bend Radius, loaded	269 mm   10.591 in
Minimum Bend Radius, unloaded	179 mm   7.047 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	1335 N   300.12 lbf
Compression	85 N/mm   485.363 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	300 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	35 N-m   309.776 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	159 m   521.654 ft
Optical Specifications	

**Fiber Type** 

G.657.A2/B2

## Environmental Specifications

#### Installation temperature

0 °C to +70 °C (+32 °F to +158 °F)

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# 760256187 | P-048-MZ-8G1-F16YL

Operating Temperature	0 °C to +70 °C (+32 °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 OFCP (ETL) and c(ETL)
Flame Test Method	NFPA 130   NFPA 262

# 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 +70 °C (+32 °F to +158 °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	254 kg/km   170.68 lb/kft

### \* Footnotes

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

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# 860661406



Product Classification

#### MP016,ULL,MALE,SM,GREEN, 3mm

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/UPC Male
Interface Feature	Pinned
Total Fiber Count	16
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 °
Optical Specifications	
Fiber Mode	Singlemode
Fiber Type	G.652.D and G.657.A1, TeraSPEED®   OS2
Insertion Loss Change, mating	0.35 dB
Optical Components Standard	ANSI/TIA-568-C.3

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# 860661406

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

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