### **UJGRXRX8M**

#### **Base Product**



Ultra Low Loss (ULL) Singlemode G.657.A2 MPO16 (Pinned) to MPO16 (Pinned), Fiber Trunk Cable Assembly, 144-Fiber, Dual Rated (OFNR /LSZH)

#### **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 9

Color, boot A Black

Color, connector A Green

Connector B, quantity

Color, boot B Black

Color, connector B Green

Construction Type Stranded

Furcation Color Yellow

Interface, Connector A MPO-16/APC Male

Interface, Connector B MPO-16/APC Male

Jacket Color Yellow

Polarity Method B Enhanced (ULL)

Fibers per Subunit, quantity 16

Total Fibers, quantity 144

Dimensions

Breakout Length 22 in

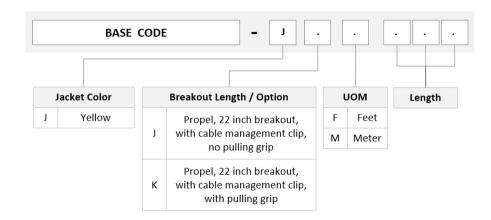
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### UJGRXRX8M

Cable Assembly Length Range (m) 3 - 305

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 Dual Rated LSZH/Riser | Indoor

### Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted
504	



# **UJGRXRX8M**

#### Included Products

760251079 N-144-MP-8G1-F16YL/30T/B2 Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber with 16-fiber, 3.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, B2ca flame rating

860661398

Fiber Optic Connector Kit, singlemode, OS2, MPO-16/APC, ULL, pinned, green, for 3 mm cable

# 760251079 | N-144-MP-8G1-F16YL/30T/B2



Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber with 16-fiber, 3.0 mm subunits, Singlemode G.657.A2 /B2, Feet jacket marking, Yellow jacket color, B2ca flame rating

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North

America

 Portfolio
 CommScope®

 Product Type
 Fiber indoor cable

**Product Series** N-MP

General Specifications

 Cable Type
 MPO trunk cable

Construction Type Non-armored

Subunit TypeGel-freeJacket ColorYellowJacket MarkingFeet

Subunit, quantity 9

Fibers per Subunit, quantity 16

Total Fiber Count 144

Dimensions

Buffer Tube/Subunit Diameter 3 mm | 0.118 in

Diameter Over Jacket 15 mm | 0.591 in

Representative Image



# 760251079 | N-144-MP-8G1-F16YL/30T/B2



### Mechanical Specifications

Minimum Bend Radius, loaded 226 mm | 8.898 in

Minimum Bend Radius, unloaded150 mm5.906 inTensile Load, long term, maximum400 N89.924 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

**Vertical Rise, maximum** 188 m | 616.798 ft

Optical Specifications

**Fiber Type** G.657.A2/B2

#### **Environmental Specifications**

Installation temperature  $0 \,^{\circ}\text{C}$  to +50  $^{\circ}\text{C}$  (+32  $^{\circ}\text{F}$  to +122  $^{\circ}\text{F}$ )

Operating Temperature  $0 \,^{\circ}\text{C}$  to +60  $^{\circ}\text{C}$  (+32  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

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# 760251079 | N-144-MP-8G1-F16YL/30T/B2

Storage Temperature  $-40 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  ( $-40 \,^{\circ}\text{F}$  to  $+140 \,^{\circ}\text{F}$ )

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

EN50575 CPR Cable EuroClass Fire PerformanceB2caEN50575 CPR Cable EuroClass Smoke Ratings1aEN50575 CPR Cable EuroClass Droplets Ratingd2EN50575 CPR Cable EuroClass Acidity Ratinga1

Environmental Space Low Smoke Zero Halogen (LSZH)

Flame Test Method IEC 60754-2 | IEC 61034-2

**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**  $0 \,^{\circ}\text{C to } +70 \,^{\circ}\text{C (+32 °F to } +158 \,^{\circ}\text{F)}$ 

**Temperature Cycle Test Method** FOTP-3 | IEC 60794-1 F1

Packaging and Weights

**Cable weight** 194 kg/km | 130.362 lb/kft

### \* Footnotes

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



# 860661398



Fiber Optic Connector Kit, singlemode, OS2, MPO-16/APC, ULL, pinned, green, for 3 mm cable

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Portfolio CommScope®
Product Type Fiber connector

### General Specifications

ColorGreenColor, bootBlackFerrule GeometryAngled

Interface MPO/APC Male

Interface Feature Pinned

**Dimensions** 

**Compatible Cable Diameter** 3 mm | 0.118 in

#### **Optical Specifications**

**Fiber Mode** Singlemode

Fiber TypeOS2Insertion Loss, maximum0.3 dBReturn Loss, minimum65 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

**COMMSCOPE®** 

# 860661398

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant

