## **AJGMPMXCD**

#### **Base Product**



Ultra Low Loss ULL TeraSPEED® MPO(Unpinned) to MPO(Pinned) Preterminated Trunk Cable, MPO12, 12-Fiber, LSZH, 12 fiber PmP 2.0 mm Dca, Method A

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | Europe | Latin America | Middle

East/Africa | North America

Portfolio CommScope®

**Product Type** Fiber trunk cable assembly

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 ABlackColor, connector AGreenColor, boot BBlackColor, connector BGreenConstruction TypeStranded

Furcation Color Yellow

 Interface, Connector A
 MPO-12/APC Female

 Interface, Connector B
 MPO-12/APC Male

 Jacket Color
 Yellow

 Polarity
 Method A

Fibers per Subunit, quantity 12

Total Fibers, quantity 12

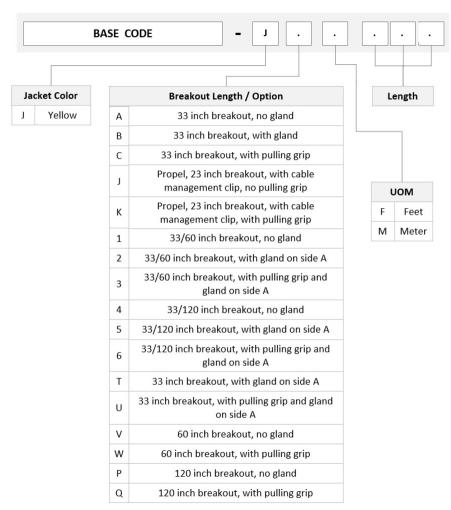
### Dimensions

Breakout Length33 inCable Assembly Length Range (m)3 - 999Cable Assembly Length Range (ft)10 - 999



# AJGMPMXCD

## Ordering Tree



### **Optical Specifications**

Fiber Mode Singlemode

**Fiber Type** G.657.A2, TeraSPEED®

**Environmental Specifications** 

**Operating Temperature**  $-10 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (+14  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

EN50575 CPR Cable EuroClass Fire Performance

Environmental Space Dual Rated LSZH/Riser | Indoor

Regulatory Compliance/Certifications

COMMSC PE®

# **AJGMPMXCD**

Agency Classification

ANATEL Compliant

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



#### Included Products

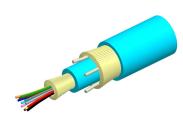
760246430 – Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, with 2.0mm Subunits, 12 fiber, N-012-MP-8G1-F12YL/20T/D Singlemode G.657.A2/B2, Gel-free, Feet jacket marking, Yellow jacket color, Dca Flame rating

860659010 – MPO-12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 2mm

860659016 – MPO12, ULL, FEMALE, SM, GREEN, 2MM



## 760246430 | N-012-MP-8G1-F12YL/20T/D



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

Construction Type Non-armored

**Subunit Type** Gel-free

Jacket Color Yellow

Jacket Marking Feet

Total Fiber Count 12

Dimensions

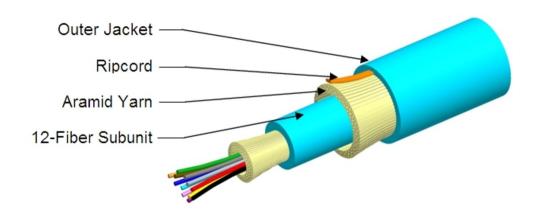
**Buffer Tube/Subunit Diameter** 2 mm | 0.079 in

**Diameter Over Jacket** 4.7 mm | 0.185 in

Representative Image



# 760246430 | N-012-MP-8G1-F12YL/20T/D



### Mechanical Specifications

Minimum Bend Radius, loaded 71 mm | 2.795 in

Minimum Bend Radius, unloaded 47 mm | 1.85 in

**Tensile Load, long term, maximum** 133 N | 29.9 lbf

**Tensile Load, short term, maximum** 445 N | 100.04 lbf

**Compression** 10 N/mm | 57.101 lb/in

Compression Test Method FOTP-41 | IEC 60794-1 E3

Flex 300 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** 500 m | 1,640.42 ft

Optical Specifications

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

**Environmental Specifications** 

**Installation temperature** 0 °C to +60 °C (+32 °F to +140 °F)

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# 760246430 | N-012-MP-8G1-F12YL/20T/D

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

Storage Temperature  $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$ 

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

EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings1aEN50575 CPR Cable EuroClass Droplets Ratingd1EN50575 CPR Cable EuroClass Acidity Ratinga1

Environmental Space Low Smoke Zero Halogen (LSZH) | Riser

Flame Test Listing NEC OFNR-ST1 (ETL) and c(ETL)

Flame Test Method | IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | UL 1666 | UL 1685

**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 +60 °C (+32 °F to +140 °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** 23 kg/km | 15.455 lb/kft

#### \* Footnotes

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





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

#### **Product Classification**

Regional Availability

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

 Portfolio
 CommScope®

 Product Type
 Fiber connector

 Product Brand
 TeraSPEED®

General Specifications

ColorGreenColor, bootBlackFerrule GeometryAngled

Interface MPO/APC Male

Interface Feature Pinned

Total Fiber Count 12

Dimensions

**Compatible Cable Diameter** 2 mm | 0.079 in

Material Specifications

Ferrule Material Polymer

Optical Specifications

Fiber ModeSinglemodeFiber TypeG.657.A2

Optical Components Standard ANSI/TIA-568-C.3

Insertion Loss, ULL, maximum0.35 dBReturn Loss, minimum65 dB

Packaging and Weights

**COMMSCOPE®** 

**Packaging quantity** 

1





#### MPO12, ULL, FEMALE, SM, GREEN, 2MM

#### **Product Classification**

Regional Availability

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

 Portfolio
 CommScope®

 Product Type
 Fiber connector

 Product Brand
 TeraSPEED®

General Specifications

ColorGreenColor, bootBlackFerrule GeometryAngled

Interface MPO/APC Female

Interface Feature Unpinned

**Total Fiber Count** 12

**Dimensions** 

Length 60.1 mm | 2.366 in Compatible Cable Diameter 2 mm | 0.079 in

Material Specifications

Ferrule Material Polymer

Mechanical Specifications

Cable Retention Strength, maximum 11.24 lb @ 0  $^{\circ}$ 

**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

**COMMSCOPE®** 

Insertion Loss, maximum0.35 dBReturn Loss, minimum65 dB

Packaging and Weights

Packaging quantity 1

\* Footnotes

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

