

UKGRZUC8M

Base Product



Singlemode MPO16 APC (pinned) to Unconnectorized, Fiber Trunk Cable Assembly, 144-Fiber, Armored Indoor 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 | 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 | 144 |

Dimensions

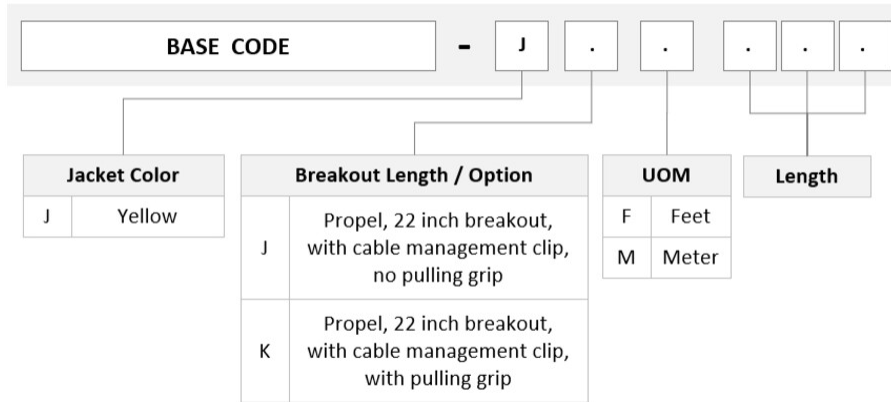
| | |
|--|---------|
| Breakout Length | 22 in |
| Cable Assembly Length Range (m) | 3 – 305 |

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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)

EN50575 CPR Cable EuroClass Fire Performance

Dca

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

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

- 760256183
N-144-MZ-8G1-F16YL/30T/B2
 - 860661406
- Fiber indoor cable, Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Singlemode G.657.A2/B2, 144 fiber, Feet jacket marking, Yellow jacket color, B2ca flame rating
 - MPO16,ULL,MALE,SM,GREEN, 3mm



Fiber indoor cable, Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Singlemode G.657.A2/B2, 144 fiber, 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-MZ |

General Specifications

| | |
|-------------------------------------|-----------------------|
| Armor Type | Interlocking aluminum |
| Cable Type | MPO trunk cable |
| Construction Type | Armored |
| Subunit Type | Gel-free |
| Jacket Color | Yellow |
| Jacket Marking | Feet |
| Subunit, quantity | 9 |
| Fibers per Subunit, quantity | 16 |
| Total Fiber Count | 144 |

Dimensions

| | |
|-------------------------------------|------------------|
| Buffer Tube/Subunit Diameter | 3 mm 0.118 in |
| Diameter Over Armor | 21 mm 0.827 in |
| Diameter Over Jacket | 23 mm 0.906 in |

Mechanical Specifications

| | |
|--------------------------------------|--------------------|
| Minimum Bend Radius, loaded | 345 mm 13.583 in |
| Minimum Bend Radius, unloaded | 230 mm 9.055 in |

760256183 | N-144-MZ-8G1-F16YL/30T/B2

| | |
|--|---------------------------------------|
| 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 | 91 m 298.556 ft |

Optical Specifications

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

Environmental Specifications

| | |
|---|---|
| Installation temperature | 0 °C to +70 °C (-32 °F to +158 °F) |
| Operating Temperature | 0 °C to +60 °C (+32 °F to +140 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | ANSI/ICEA S-83-596 Telcordia GR-409 |
| EN50575 CPR Cable EuroClass Fire Performance | B2ca |
| EN50575 CPR Cable EuroClass Smoke Rating | s2 |
| EN50575 CPR Cable EuroClass Droplets Rating | d1 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Low Smoke Zero Halogen (LSZH) Riser |
| Flame Test Listing | NEC OFCR-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 |

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| | |
|--------------------------------------|------------------------------------|
| 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 | 449 kg/km 301.714 lb/kft |
|---------------------|----------------------------|

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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MPO16,ULL,MALE,SM,GREEN, 3mm

Product Classification

| | |
|------------------------------|---|
| 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 |

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