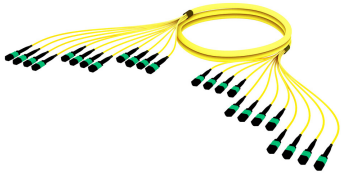


UHGMXXMXAM

Base Product



Ultra Low Loss (ULL) Singlemode MPO12 (Pinned) to MPO12 (Pinned), Armored Pre-terminated Trunk Cable, 144-Fiber, Plenum

This product will be discontinued on: April 30, 2024

Replaced By:

UHGMXXMXCM

Singlemode MPO12 APC (pinned) to MPO12 APC (pinned) Fiber Trunk Cable Assembly, 144-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

SYSTIMAX InstaPATCH® 360

Ordering Note

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 | 12 |
| Color, boot A | Black |
| Color, connector A | Green |
| Connector B, quantity | 12 |
| Color, boot B | Black |
| Color, connector B | Green |
| Construction Type | Armored Stranded |
| Furcation Color | Yellow |
| Interface, Connector A | MPO-12/APC Male |
| Interface Feature, connector A | Pinned |
| Interface, Connector B | MPO-12/APC Male |
| Interface Feature, connector B | Pinned |

UHGMXXMXAM

| | |
|-------------------------------------|-------------------------|
| Jacket Color | Yellow |
| Polarity | Method B Enhanced (ULL) |
| Fibers per Subunit, quantity | 12 |
| Total Fibers, quantity | 144 |

Dimensions

| | |
|---|----------|
| Breakout Length | 33 in |
| Cable Assembly Length Range (m) | 3 – 999 |
| Cable Assembly Length Range (ft) | 10 – 999 |

Mechanical Specifications

| | |
|--|-------------------------------|
| Cable Retention Strength, maximum | 11.24 lb @ 0° 4.40 lb @ 90° |
|--|-------------------------------|

Optical Specifications

| | |
|-------------------|--------------------------------|
| Fiber Mode | Singlemode |
| Fiber Type | G.652.D G.657.A1, TeraSPEED® |

Environmental Specifications

| | |
|------------------------------|--------------------------------------|
| Operating Temperature | -10 °C to +60 °C (+14 °F to +140 °F) |
| Environmental Space | Indoor Plenum |

Regulatory Compliance/Certifications

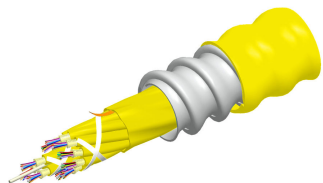
| Agency | Classification |
|---------------|-----------------------|
| ANATEL | Compliant |



Included Products

| | | |
|---------------------------------|---|---|
| 760245035 P-144-MZ-8G1-F12YL | – | Fiber indoor cable, Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 144 fiber multi-unit with 12 fiber subunits, Gel-free, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color |
| 860638317 | – | MPO12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm |

760245035 | P-144-MZ-8G1-F12YL



Fiber indoor cable, Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 144 fiber multi-unit with 12 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 |

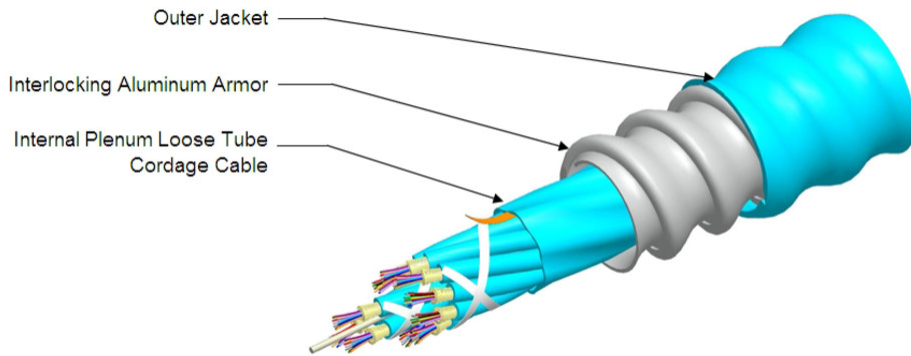
General Specifications

| | |
|-------------------------------------|-----------------------|
| Armor Type | Interlocking aluminum |
| Cable Type | MPO trunk cable |
| Construction Type | Armored |
| Subunit Type | Gel-free |
| Jacket Color | Yellow |
| Jacket Marking | Feet |
| Subunit, quantity | 12 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 144 |

Dimensions

| | |
|-------------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 3 mm 0.118 in |
| Diameter Over Armor | 20.96 mm 0.825 in |
| Diameter Over Jacket | 23 mm 0.906 in |

Representative Image



Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 345 mm 13.583 in |
| Minimum Bend Radius, unloaded | 230 mm 9.055 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 | 104 m 341.207 ft |

Optical Specifications

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

Environmental Specifications

| | |
|---------------------------------|------------------------------------|
| Installation temperature | 0 °C to +70 °C (+32 °F to +158 °F) |
|---------------------------------|------------------------------------|

760245035 | P-144-MZ-8G1-F12YL

| | |
|--------------------------------------|---------------------------------------|
| 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 | 392 kg/km 263.412 lb/kft |
|---------------------|----------------------------|

Regulatory Compliance/Certifications

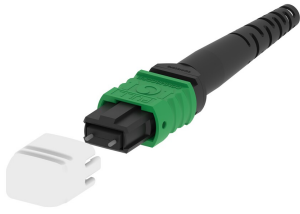
| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

860638317



MPO12, ULTRA LOW LOSS, MALE, Singlemode, 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/APC Male |
| Interface Feature | Pinned |
| Total Fiber Count | 12 |

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 ° |
| Mechanical Components Standard | IEC 61754-7 |

Optical Specifications

| | |
|-------------------|--|
| Fiber Mode | Singlemode |
| Fiber Type | G.652.D and G.657.A1, TeraSPEED® OS2 |

860638317

| | |
|---|------------------|
| Insertion Loss Change, mating | 0.3 dB |
| Optical Components Standard | ANSI/TIA-568-C.3 |
| Insertion Loss Change, temperature | 0.3 dB |
| Insertion Loss, maximum | 0.35 dB |
| Return Loss, minimum | 65 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 |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



* 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) |