# AQGMPMPGD

Base Product

Singlemode MPO12 (Unpinned) to MPO12 (Unpinned), Fiber Patch Cord, 12-Fiber, Method A, Plenum

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia \| Australia/New Zealand \| Europe \| Latin America \| Middle East /Africa \| North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber array cable assembly |
| **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

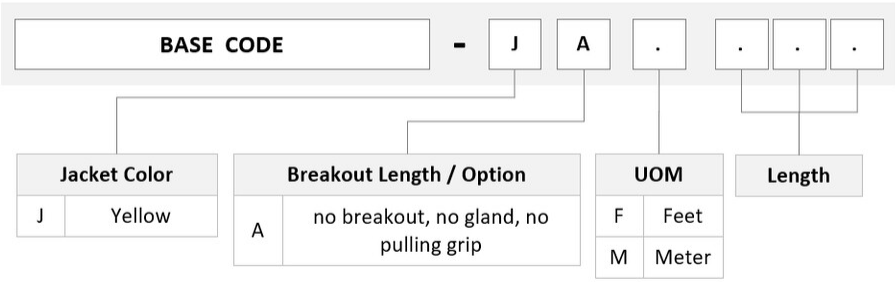
| | |
|---|---|
| **Color, boot A** | Black |
| **Color, connector A** | Green |
| **Color, boot B** | Black |
| **Color, connector B** | Green |
| **Construction Type** | Stranded |
| **Furcation Color** | Yellow |
| **Interface, Connector A** | MPO-12/APC Female |
| **Interface, Connector B** | MPO-12/APC Female |
| **Jacket Color** | Yellow |
| **Polarity** | Method A |
| **Fibers per Subunit, quantity** | 12 |
| **Total Fibers, quantity** | 12 |

## Dimensions

| | |
|---|---|
| **Cable Assembly Length Range (m)** | 1 – 305 |
| **Cable Assembly Length Range (ft)** | 1 – 999 |

# AQGMPMPGD

## Ordering Tree




## 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.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 |
|---|---|
| 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 |

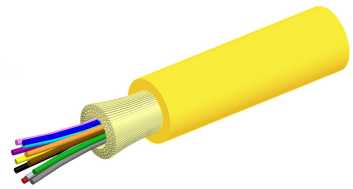
## Included Products

| | | |
|---|---|---|
| 760074955 | – | Fiber indoor cable, TeraSPEED® Plenum for MPO Light Duty Patchcords, 12 fiber, Singlemode |

# AQGMPMPGD

| | | |
|---|---|---|
| P-012-MP-8W-F30YL | | G.652.D and G.657.A1, Feet jacket marking, Yellow jacket color |
| 860638318 | – | MPO12, ULTRA LOW LOSS, FEMALE, Singlemode, GREEN, 3mm |

# 760074955 | P-012-MP-8W-F30YL



Fiber indoor cable, TeraSPEED® Plenum for MPO Light Duty Patchcords, 12 fiber, Singlemode G.652.D and G.657.A1, 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-MP |

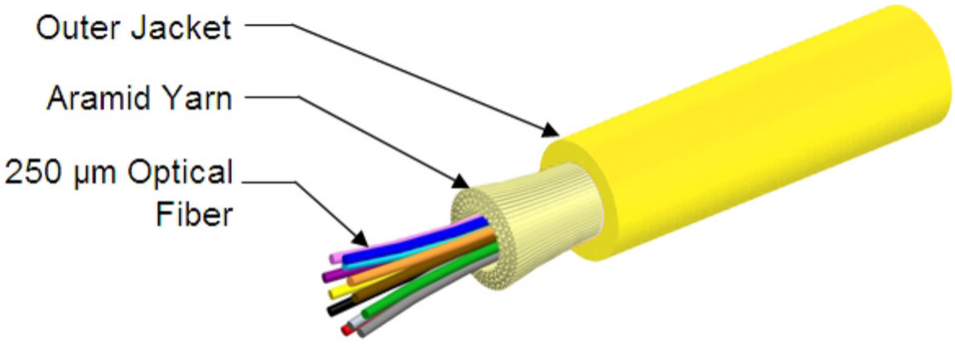
## General Specifications

| | |
|---|---|
| **Cable Type** | MPO trunk cable |
| **Construction Type** | Non-armored |
| **Subunit Type** | Gel-free |
| **Jacket Color** | Yellow |
| **Jacket Marking** | Feet |
| **Total Fiber Count** | 12 |

## Dimensions

| | |
|---|---|
| **Diameter Over Jacket** | 3 mm \| 0.118 in |

## Representative Image



## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 45 mm \| 1.772 in |
| **Minimum Bend Radius, unloaded** | 24 mm \| 0.945 in |
| **Tensile Load, long term, maximum** | 100 N \| 22.481 lbf |
| **Tensile Load, short term, maximum** | 334 N \| 75.086 lbf |
| **Compression** | 4 N/mm \| 22.841 lb/in |
| **Compression Test Method** | FOTP-41 \| IEC 60794-1 E3 |
| **Flex** | 300 cycles |
| **Flex Test Method** | FOTP-104 \| IEC 60794-1 E6 |
| **Impact** | 0.74 N-m \| 6.55 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.652.D and G.657.A1, TeraSPEED® \| OS2 \| OS2 |

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | 0 °C to +70 °C (+32 °F to +158 °F) |
| **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 OFNP (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** | 9 kg/km \| 6.048 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 |

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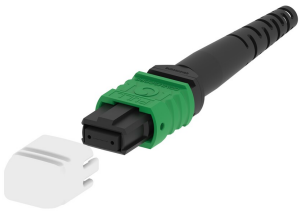

MPO12, ULTRA LOW LOSS, FEMALE, Singlemode, GREEN, 3mm

## 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 Female |
| **Interface Feature** | Unpinned |
| **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 ° |

## Optical Specifications

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