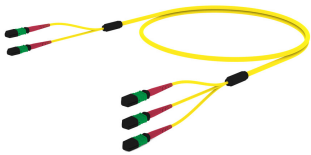


# UQG2X2EBH

Base Product



Ultra Low Loss (ULL) Singlemode G.657.A2 , 2X3, MPO24 (Non-Pinned) to MPO24 (Non-Pinned-QSFP), 48-Fiber, Conversion Array, Plenum

## Product Classification

Regional Availability	Asia   Australia/New Zealand   China   Europe   India   Latin America   Middle East/Africa   North America
Portfolio	CommScope®
Product Type	Fiber conversion array 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	2
Color, boot A	Red
Color, connector A	Green
Connector B, quantity	3
Color, boot B	Red
Color, connector B	Green
Construction Type	Stranded
Furcation Color	Yellow
Interface, Connector A	MPO-24/APC Male
Interface, Connector B	MPO-24/APC Female
Jacket Color	Yellow
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	24
Total Fibers, quantity	48

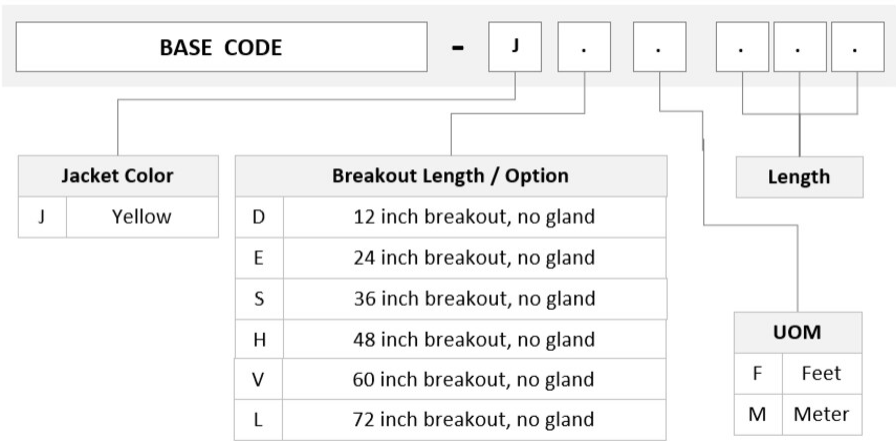
## Dimensions

Breakout Length	12 in   24 in   36 in   48 in   60 in   72 in
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# UQG2X2EBH

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 °
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## 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	Indoor   Plenum

## 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

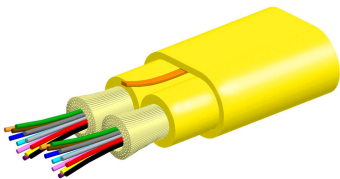
# UQG2X2EBH

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## Included Products

760260236	–	Fiber indoor cable, Plenum MPO Trunk Cable, 48 fiber with 24-fiber, 3.0mm subunits, Gel-free,
P-048-MP-8G1-F24YL/30T		Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color
860662281	–	MPO24,FEMALE,SM, GREEN,3.0MM
860662282	–	MPO24,MALE,SM, GREEN,3.0MM



Fiber indoor cable, Plenum MPO Trunk Cable, 48 fiber with 24-fiber, 3.0 mm 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-MP

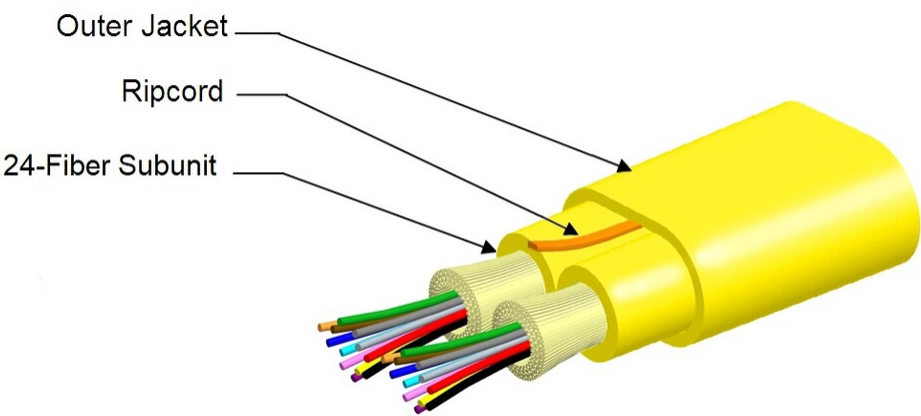
General Specifications

Cable Type	MPO trunk cable
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Yellow
Jacket Marking	Feet
Subunit, quantity	2
Fibers per Subunit, quantity	24
Total Fiber Count	48

Dimensions

Height Over Jacket	5.8 mm   0.228 in
Width Over Jacket	8.8 mm   0.346 in
Buffer Tube/Subunit Diameter	3 mm   0.118 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	87 mm   3.425 in
Minimum Bend Radius, unloaded	58 mm   2.283 in
Tensile Load, long term, maximum	200 N   44.962 lbf
Tensile Load, short term, maximum	167 N   37.543 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	314 m   1,030.184 ft

Optical Specifications

Fiber Type	G.657.A2/B2
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Environmental Specifications

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

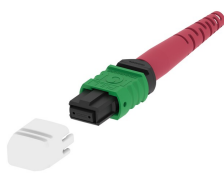
Low High Bend	0 °C to +70 °C (+32 °F to +158 °F)
Low High Bend Test Method	FOTP-37   IEC 60794-1 E11
Temperature Cycle	0 °C to +70 °C (+32 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1 F1

Packaging and Weights

Cable weight	65 kg/km   43.678 lb/kft
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\* Footnotes

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



MPO24,FEMALE,SM, GREEN,3.0MM

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	Red
Ferrule Geometry	Angled
Interface	MPO/APC Female
Interface Feature	Unpinned
Total Fiber Count	24

Dimensions

Length	60.1 mm   2.366 in
Compatible Cable Diameter	3 mm   0.118 in

Material Specifications

Ferrule Material	Polymer
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Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °
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Optical Specifications

Fiber Mode	Singlemode
Fiber Type	G.652.D and G.657.A1, TeraSPEED®   OS2
Insertion Loss Change, mating	0.5 dB
Optical Components Standard	ANSI/TIA-568-C.3

860662281

Insertion Loss Change, temperature	0.5 dB
Insertion Loss, maximum	0.5 dB
Return Loss, minimum	60 dB

Packaging and Weights

Packaging quantity	1
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Regulatory Compliance/Certifications

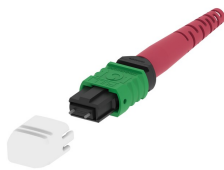
Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



\* 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)





MPO24,MALE,SM, GREEN,3.0MM

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	Red
Ferrule Geometry	Angled
Interface	MPO/APC Male
Interface Feature	Pinned
Total Fiber Count	24

Dimensions

Length	60.1 mm   2.366 in
Compatible Cable Diameter	3 mm   0.118 in

Material Specifications

Ferrule Material	Polymer
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Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °
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Optical Specifications

Fiber Mode	Singlemode
Fiber Type	G.652.D and G.657.A1, TeraSPEED®   OS2
Insertion Loss Change, mating	0.5 dB
Optical Components Standard	ANSI/TIA-568-C.3

Insertion Loss Change, temperature	0.5 dB
Insertion Loss, maximum	0.5 dB
Return Loss, minimum	60 dB

Packaging and Weights

Packaging quantity	1
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\* 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)