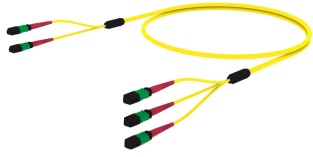


UQG2X2DBH

Base Product



Ultra Low Loss (ULL) Singlemode G.657.A2 , 2X3, MPO24 (Non-Pinned) to MPO24 (Non-Pinned-QSFP-DD), 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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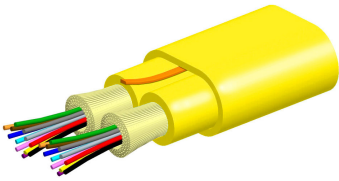
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Included Products

- 760240267 P-048-MP-8G-F24YL – Plenum MPO Trunk Cable, 48 fiber with 24 fiber subunits
- 860651709 – TeraSPEED® MPO Male 24 Fiber Connector, green, 3.6 mm
- 860662281 – MPO24,FEMALE,SM, GREEN,3.0MM

Plenum MPO Trunk Cable, 48 fiber with 24 fiber subunits



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

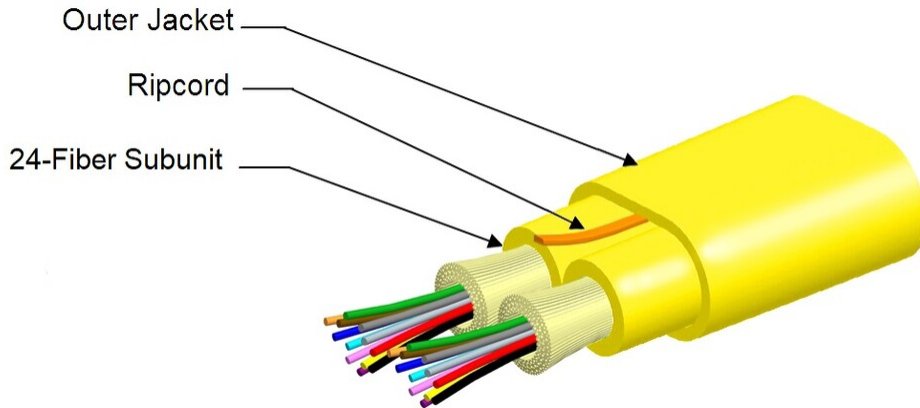
General Specifications

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	4.47 mm 0.176 in
Width Over Jacket	8.08 mm 0.318 in
Buffer Tube/Subunit Diameter	3.6 mm 0.142 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	67 mm 2.638 in
Minimum Bend Radius, unloaded	45 mm 1.772 in
Tensile Load, long term, maximum	240 N 53.954 lbf
Tensile Load, short term, maximum	801 N 180.072 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	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.657.A2/B2 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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760240267 | P-048-MP-8G-F24YL

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	38 kg/km 25.535 lb/kft
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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

TeraSPEED® MPO Male 24 Fiber Connector, green, 3.6 mm



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	3.6 mm 0.142 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

860651709

Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss Change, temperature	0.5 dB
Insertion Loss, maximum	0.75 dB
Return Loss, minimum	60 dB

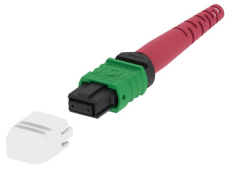
Packaging and Weights

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)

860662281



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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* 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)