UQGQWQWJ8

Ultra Low Loss (ULL) Singlemode MPO8 (Unpinned) Push-Pull to MPO8 (Unpinned) Push-Pull, Fiber Extension Cable Assembly, 8-Fiber, Plenum

Product Classification

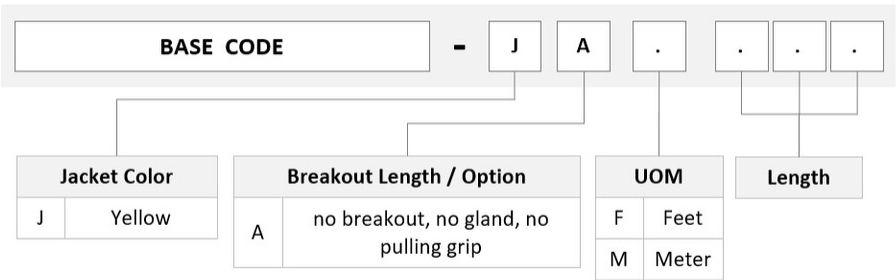|	
Regional Availability	Asia | Australia/New Zealand | Europe | Latin America | Middle East /Africa | North America
Portfolio	CommScope®
Product Type	Fiber array cable assembly
Product Brand	SYSTIMAX ULL
Ordering Note	For additional jacket colors, please contact a CommScope Sales Representative | For lengths greater than 999 ft (304 m), orders must be in meters | Minimum length may vary based on cable configuration

General Specifications

Color, boot A	Black
Color, connector A	Yellow
Color, boot B	Black
Color, connector B	Yellow
Construction Type	Stranded
Furcation Color	Yellow
Interface, Connector A	MPO-08/APC Female
Interface Body Style, connector A	Push-pull boot
Interface, Connector B	MPO-08/APC Female
Interface Body Style, connector B	Push-pull boot
Jacket Color	Yellow
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	8
Total Fibers, quantity	8

Dimensions

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

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Ordering Tree

BASE CODE	-	J	A	.	.	.	.

Jacket Color		Breakout Length / Option		UOM		Length
J	Yellow	A	no breakout, no gland, no pulling grip	F	Feet	
				M	Meter	

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)
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
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

Included Products

460202380	–	MPO8/12 ULL Female, Singlemode, Yellow, Push-Pull, 3mm
760237964 P-012-MP-8G1-F30YL	–	Fiber indoor cable, Plenum for MPO Light Duty Patchcords, 12 fiber, Singlemode G.657.A2, Feet jacket marking, Yellow jacket color

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460202380

MPO8/12 ULL Female, Singlemode, Yellow, Push-Pull, 3mm

Product Classification

Regional Availability	Asia | Australia/New Zealand | EMEA | Latin America | North America
Portfolio	CommScope®
Product Type	Fiber connector

General Specifications

Boot Style	Push-pull
Color	Yellow
Color, boot	Black
Ferrule Geometry	Angled
Interface	MPO/APC Female
Interface Feature	Unpinned
Total Fiber Count	12

Dimensions

Length	52.3 mm | 2.059 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	0.15 dB
Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss Change, temperature	0.25 dB
Insertion Loss, maximum	0.25 dB
Return Loss, minimum	60 dB

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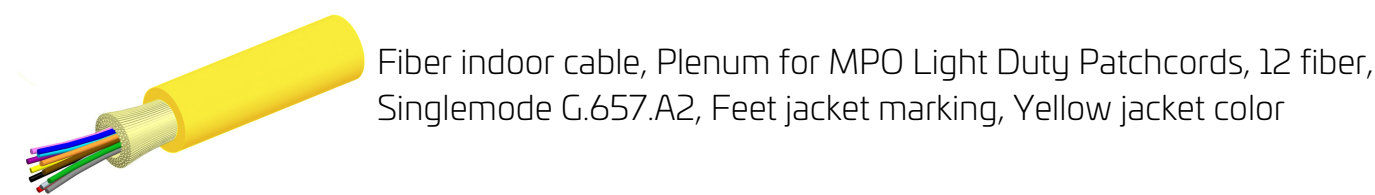## Packaging and Weights

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)

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Fiber indoor cable, Plenum for MPO Light Duty Patchcords, 12 fiber, Singlemode G.657.A2, Feet jacket marking, Yellow jacket color

Product Classification

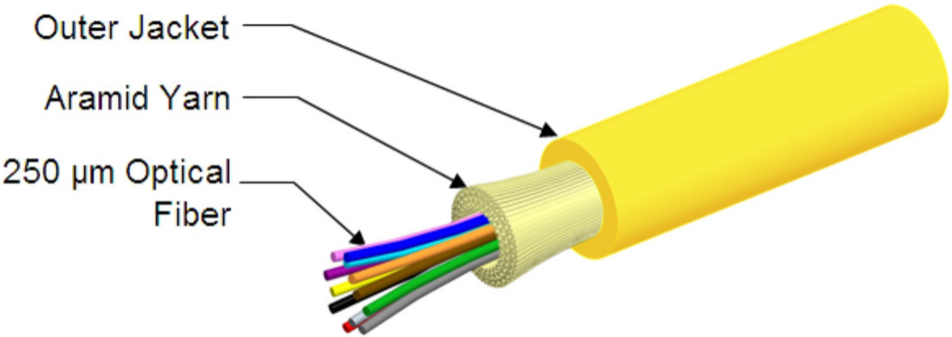|	
Regional Availability	Asia	Australia/New Zealand	Latin America	Middle East/Africa	North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	P-MP

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

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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.657.A2	G.657.A2/B2

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)

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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
ROHS	Compliant
UK-ROHS	Compliant

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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