URGRPSN7R
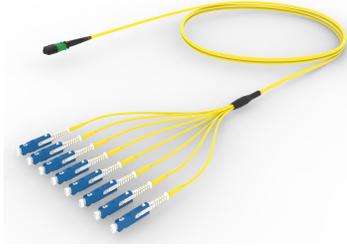
Base Product

Ultra Low Loss (ULL) Singlemode G.657.A2 MPO16 (Non-Pinned) to SN, Fiber Array assembly, 16-Fiber, Dual Rated (OFNR/LSZH)

Product Classification

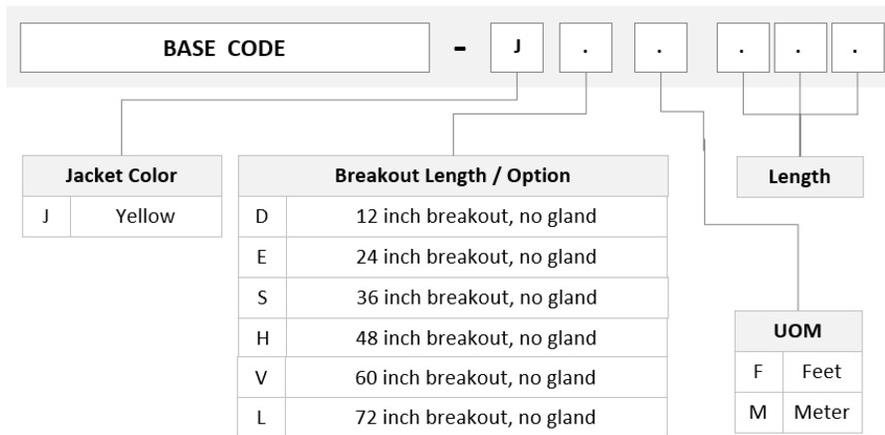|	
Regional Availability	Asia | Australia/New Zealand | China | Europe | India | Latin America | Middle East/Africa | North America
Portfolio	CommScope®
Product Type	Fiber array cable assembly
Product Brand	Propel | SYSTIMAX ULL
Ordering Note	For additional jacket colors, please contact a CommScope Sales 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	1
Color, boot A	Black
Color, connector A	Green
Connector B, quantity	8
Color, boot B	Blue
Color, connector B	Blue
Construction Type	Stranded
Furcation Color	Yellow
Interface, Connector A	MPO-16/APC Female
Interface, Connector B	SN/UPC
Jacket Color	Yellow
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	16
Total Fibers, quantity	16

Dimensions

COMMSCOPE®

URGRPSN7R

Breakout Length	12 in | 24 in | 36 in | 48 in | 60 in | 72 in
Cable Assembly Length Range (m)	1 – 304
Cable Assembly Length Range (ft)	2 – 999

Ordering Tree

BASE CODE	-	J	.	.	.	.	.

Jacket Color

J	Yellow

Breakout Length / Option

D	12 inch breakout, no gland
E	24 inch breakout, no gland
S	36 inch breakout, no gland
H	48 inch breakout, no gland
V	60 inch breakout, no gland
L	72 inch breakout, no gland

Length

UOM

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	Dual Rated LSZH/Riser | Indoor

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

460201084	–	Fiber Optic Connector, SN/UPC for 1.6 mm cable

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| 760251072 N-016-MP-8G1-F30YL/D | – | Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser for Light Duty MPO Patchcords, 16 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Dca flame rating |
| 860661399 | – | Fiber Optic Connector Kit, singlemode, OS2, MPO-16/APC, ULL, unpinned, green, for 3 mm cable |

COMMSCOPE®

460201084

Fiber Optic Connector, SN/UPC for 1.6 mm cable

Product Classification

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

General Specifications

Color, boot	Black
Color, housing	Navy blue
Interface	SN/UPC

Dimensions

Length	50.9 mm | 2.004 in
Compatible Cable Diameter	1.5 mm | 0.059 in | 1.6 mm | 0.063 in

Material Specifications

Ferrule Material	Zirconia

Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °

Optical Specifications

Fiber Mode	Singlemode
Fiber Type	G.657.A2
Optical Components Standard	ANSI/TIA-568. 3-D | IEC 61753-1
Insertion Loss, maximum	0.25 dB
Return Loss, minimum	50 dB
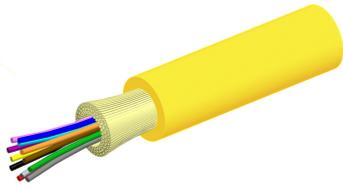
COMMSCOPE®

Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser for Light Duty MPO Patchcords, 16 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Dca flame rating

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	N-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	16

Dimensions

Diameter Over Jacket	3 mm	0.118 in

Representative Image

Outer Jacket

Aramid Yarn

24 Optical Fibers (250µm)

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760251072 | N-016-MP-8G1-F30YL/D
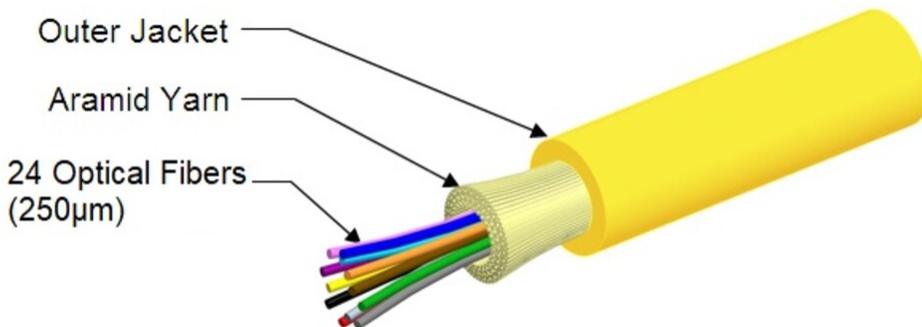
Mechanical Specifications

Minimum Bend Radius, loaded	45 mm | 1.772 in
Minimum Bend Radius, unloaded	24 mm | 0.945 in
Tensile Load, long term, maximum	80 N | 17.985 lbf
Tensile Load, short term, maximum	267 N | 60.024 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/B2

Environmental Specifications

Installation temperature	0 °C to +60 °C (+32 °F to +140 °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
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH) | Riser
Flame Test Listing	NEC OFNR-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | UL 1666 | UL 1685

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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	8.8 kg/km	5.913 lb/kft

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®

860661399

Fiber Optic Connector Kit, singlemode, OS2, MPO-16/APC, ULL, unpinned, green, for 3 mm cable

Product Classification

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

General Specifications

Color	Green
Color, boot	Black
Ferrule Geometry	Angled
Interface	MPO/APC Female
Interface Feature	Unpinned

Dimensions

Compatible Cable Diameter	3 mm	0.118 in

Optical Specifications

Fiber Mode	Singlemode
Fiber Type	OS2
Insertion Loss, maximum	0.3 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

COMMSCOPE®

860661399

ROHS   Compliant

UK-ROHS   Compliant

COMMSCOPE®