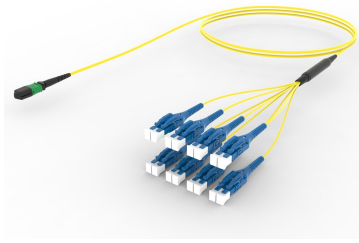# URGRXLU7R

Base Product

Ultra Low Loss (ULL) Singlemode G.657.A2 MPO16 (Pinned) to LC Uniboot UPC, Fiber Array Cable Assembly, 16-Fiber, Dual Rated (OFNR /LSZH)

Product Classification

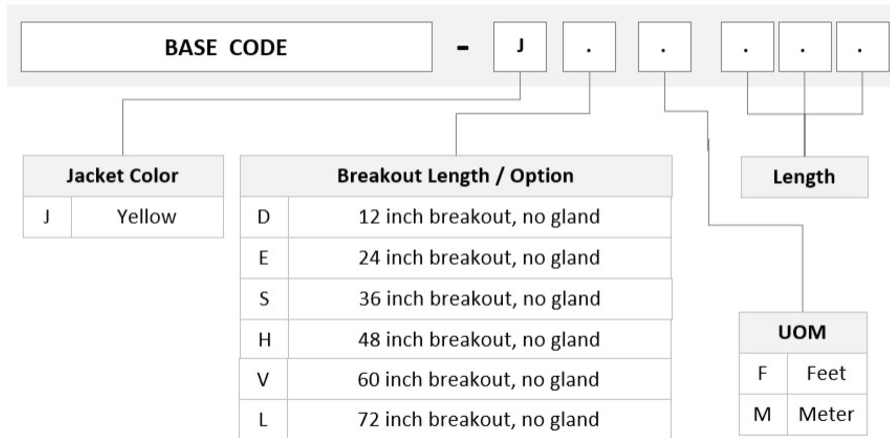|	
Regional Availability	Asia | Australia/New Zealand | China | Europe | India | Latin America | Middle East/Africa | North America
Portfolio	CommScope®
Product Type	Fiber array cable assembly
Product Brand	Propel | SYSTIMAX ULL
Ordering Note	For additional jacket colors, please contact a CommScope Sales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

COMMSCOPE®

URGRXLU7R

Dimensions

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		Breakout Length / Option	
J	Yellow	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

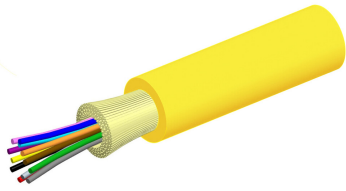## Included Products

COMMSCOPE®

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
860650412	–	TeraSPEED® LC UniBoot 2.0MM UPC/LC UNIBOOT CONNECTOR KIT
860661398	–	Fiber Optic Connector Kit, singlemode, OS2, MPO-16/APC, ULL, pinned, green, for 3 mm cable

COMMSCOPE®

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

Product Classification

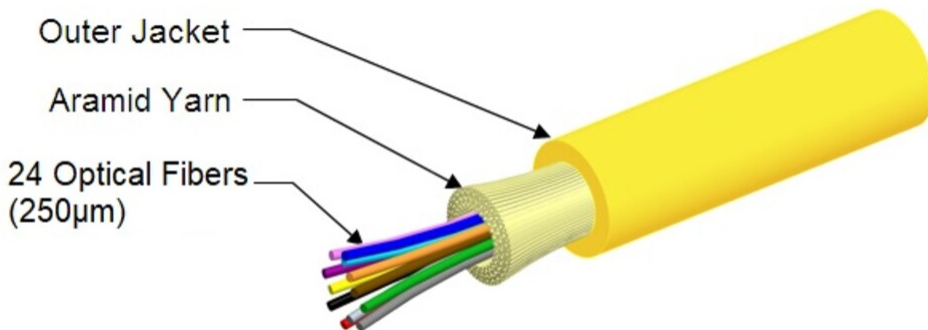|	
Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	N-MP

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)

COMMSCOPE®

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

COMMSCOPE®

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®

860650412

TeraSPEED® LC UniBoot 2.0MM UPC/LC UNIBOOT CONNECTOR KIT

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Portfolio	CommScope®
Product Type	Fiber connector
Product Brand	SYSTIMAX ULL	TeraSPEED®
Product Series	Uniboot

General Specifications

Body Style	Duplex
Color	Blue
Interface	LC/UPC
Interface Feature	Uniboot

Dimensions

Compatible Cable Diameter	2 mm	0.079 in

Material Specifications

Ferrule Material	Zirconia

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	OS2
Insertion Loss Change, mating	0.25 dB
Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss, ULL, maximum	0.25 dB
Return Loss, minimum	50 dB

Packaging and Weights

COMMSCOPE®

Packaging quantity	1

Regulatory Compliance/Certifications

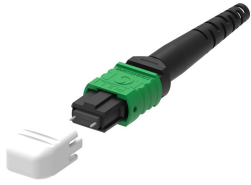| **Agency**	**Classification**
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

* Footnotes

Insertion Loss Change, mating   TIA-568: Maximum insertion loss change after 500 matings

COMMSCOPE®

860661398

Fiber Optic Connector Kit, singlemode, OS2, MPO-16/APC, ULL, pinned, 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 Male
Interface Feature	Pinned

Dimensions

Compatible Cable Diameter	3 mm | 0.118 in

Optical Specifications

Fiber Mode	Singlemode
Fiber Type	OS2
Insertion Loss, maximum	0.3 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

COMMSCOPE®

860661398

REACH-SVHC   Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS   Compliant

UK-ROHS   Compliant

COMMSCOPE®