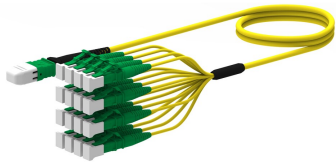# ARGRPLA7R

Base Product

Ultra Low Loss Method A Singlemode MPO16 Non-Pinned to LC/APC, Fiber Cable Assembly, Low Smoke Zero Halogen/Riser

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	Green
Color, connector B	Green
Construction Type	Stranded
Furcation Color	Yellow
Interface, Connector A	MPO-16/APC Female
Interface, Connector B	LC/APC
Jacket Color	Yellow
Polarity	Method A
Fibers per Subunit, quantity	16
Total Fibers, quantity	16

Dimensions

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

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ARGRPLA7R

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
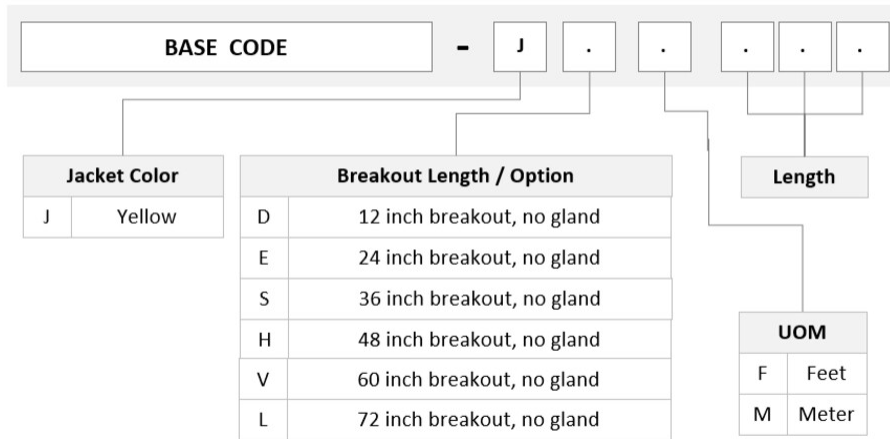
Mechanical Specifications

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
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

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Included Products

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
860637445	–	LC/APC Connector, Singlemode, Green
860661407	–	MPO16,ULL,FEMALE,SM,GREEN,3mm

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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

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

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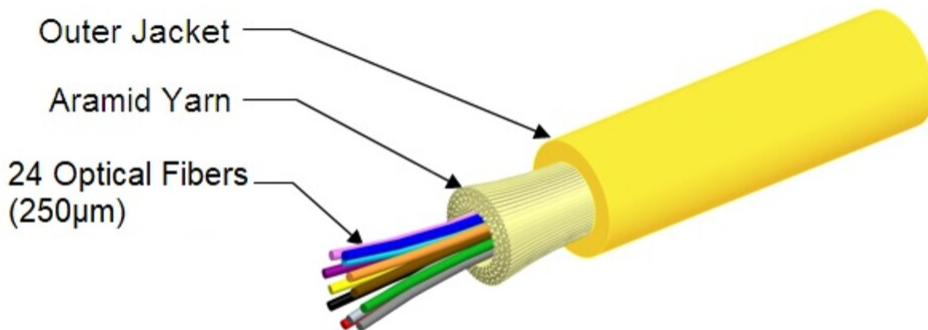
Mechanical Specifications

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

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860637445

LC/APC Connector, Singlemode, Green

Product Classification

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

General Specifications

Color, boot	Green
Color, housing	Green
Interface	LC/APC

Dimensions

Length	41.6 mm | 1.638 in
Compatible Cable Diameter	1.6 mm | 0.063 in | 2 mm | 0.079 in

Material Specifications

Ferrule Material	Zirconia

Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °

Optical Specifications

Fiber Mode	Singlemode
Insertion Loss Change, mating	0.2 dB
Optical Components Standard	ANSI/TIA-568. 3-D | IEC 61753-1
Insertion Loss Change, temperature	0.2 dB
Insertion Loss, ULL, maximum	0.34 dB
Return Loss, minimum	65 dB

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860637445

Regulatory Compliance/Certifications

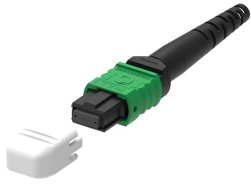| Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

* 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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860661407

MPO16,ULL,FEMALE,SM,GREEN,3mm

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	Black
Ferrule Geometry	Angled
Interface	MPO/APC Female
Interface Feature	Unpinned
Total Fiber Count	16

Dimensions

Length	60.1 mm | 2.366 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	0.3 dB
Optical Components Standard	ANSI/TIA-568-C.3

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860661407

Insertion Loss Change, temperature	0.3 dB
Insertion Loss, maximum	0.35 dB
Return Loss, minimum	65 dB

Packaging and Weights

Packaging quantity	1

* 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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