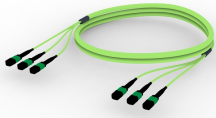# UJVRZRZ8H

Base Product

Ultra Low Loss (ULL) OM5 MPO16 (Pinned) to MPO16 (Pinned), Fiber Trunk Cable Assembly, 48-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 trunk 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	3
Color, boot A	Black
Color, connector A	Green
Connector B, quantity	3
Color, boot B	Black
Color, connector B	Green
Construction Type	Stranded
Furcation Color	Lime green
Interface, Connector A	MPO-16/APC Male
Interface, Connector B	MPO-16/APC Male
Jacket Color	Lime green
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	16
Total Fibers, quantity	48

Dimensions

Breakout Length	22 in

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UJVRZRZ8H

Cable Assembly Length Range (m)	3 – 305
Cable Assembly Length Range (ft)	10 – 999

Ordering Tree

BASE CODE	–	N	.	.	.	.	.

Jacket Color		Breakout Length / Option		UOM		Length
N	Lime green	J	Propel, 22 inch breakout, with cable management clip, no pulling grip	F	Feet	
		K	Propel, 22 inch breakout, with cable management clip, with pulling grip	M	Meter	
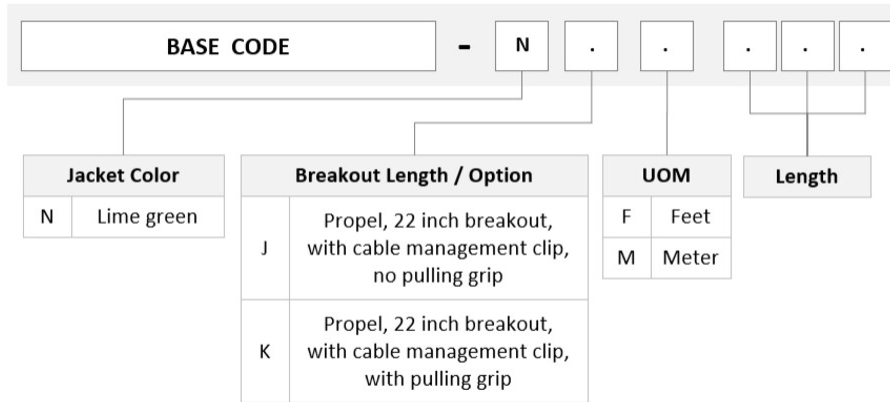
Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 ° | 4.40 lb @ 90 °

Optical Specifications

Fiber Mode	Multimode
Fiber Type	OM5, LazrSPEED®

Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Environmental Space	Dual Rated LSZH/Riser | Indoor

Regulatory Compliance/Certifications

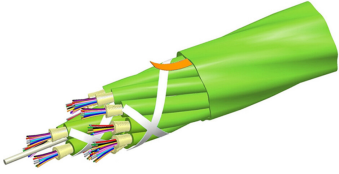| Agency	Classification
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

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Included Products

760251066 N-048-MP-5G-F16LM/30T/B2	–	Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 48 fiber with 16-fiber, 3.0mm subunits, Gel-free, Multimode OM5, Feet jacket marking, Lime green jacket color, B2ca flame rating
860659158	–	Fiber Optic Connector Kit, multimode, OM3/OM4, MPO-16/APC, ULL, pinned, green, for 3 mm cable

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760251066 | N-048-MP-5G-F16LM/30T/B2

Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 48 fiber with 16-fiber, 3.0mm subunits, Gel-free, Multimode OM5, Feet jacket marking, Lime green jacket color, B2ca 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
Filler, quantity	1
Jacket Color	Lime green
Jacket Marking	Feet
Subunit, quantity	3
Fibers per Subunit, quantity	16
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	3 mm	0.118 in
Diameter Over Jacket	10.6 mm	0.417 in

Representative Image

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- Outer Jacket
- Ripcord
- 12-Fiber Subunits
- Central Member
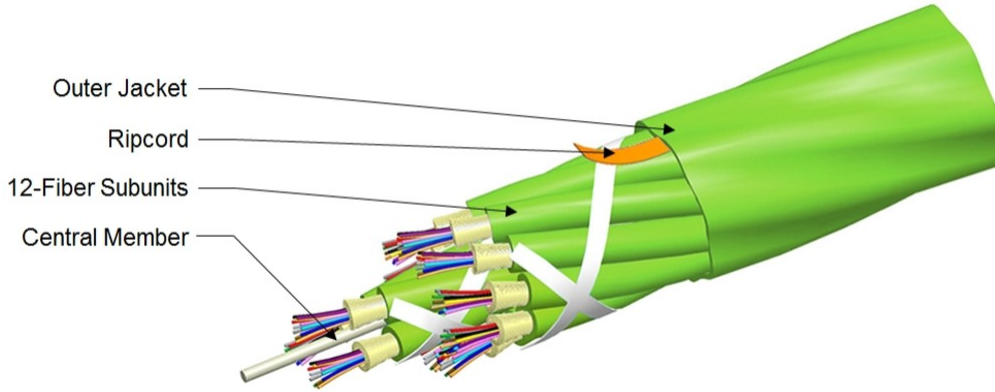
Mechanical Specifications

Minimum Bend Radius, loaded	159 mm	6.26 in
Minimum Bend Radius, unloaded	106 mm	4.173 in
Tensile Load, long term, maximum	400 N	89.924 lbf
Tensile Load, short term, maximum	1335 N	300.12 lbf
Compression	10 N/mm	57.101 lb/in
Compression Test Method	FOTP-41	IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104	IEC 60794-1 E6
Impact	2.94 N-m	26.021 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	404 m	1,325.459 ft

Optical Specifications

Fiber Type	OM5, LazrSPEED® wideband

Environmental Specifications

Installation temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	0 °C to +60 °C (+32 °F to +140 °F)

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Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596	Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance	B2ca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d2
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60754-2	IEC 61034-2

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	101 kg/km	67.869 lb/kft

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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860659158
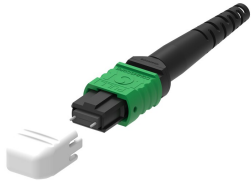
Fiber Optic Connector Kit, multimode, OM3/OM4, MPO-16/APC, ULL, pinned, green, for 3 mm cable

Product Classification

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

General Specifications

Color	Green
Color, boot	Black
Ferrule Geometry	Angled
Interface	MPO/APC Male
Interface Feature	Pinned
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	Multimode
Fiber Type	OM3 | OM4
Insertion Loss Change, mating	0.3 dB
Optical Components Standard	ANSI/TIA-568-C.3

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Insertion Loss Change, temperature	0.3 dB
Insertion Loss, maximum	0.2 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
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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