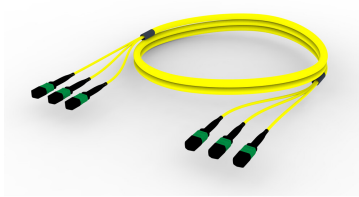


U3GRXR8H

Base Product



Ultra Low Loss (ULL) Singlemode G.657.A2 MPO16 (Pinned) to MPO16 (Pinned), Fiber Trunk Cable Assembly, 48-Fiber, LSZH B2ca

Product Classification

Regional Availability	Europe
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	Yellow
Interface, Connector A	MPO-16/APC Male
Interface, Connector B	MPO-16/APC Male
Jacket Color	Yellow
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	16
Total Fibers, quantity	48

Dimensions

Breakout Length	22 in
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U3GRXR8H

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

Ordering Tree



Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0° 4.40 lb @ 90°
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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)
EN50575 CPR Cable EuroClass Fire Performance	B2ca
Environmental Space	Indoor Low Smoke Zero Halogen (LSZH)

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

- 760251075
N-048-MP-8G1-F16YL/30T/B2 - Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 48 fiber with 16-fiber, 3.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, B2ca flame rating
- 860661398 - Fiber Optic Connector Kit, singlemode, OS2, MPO-16/APC, ULL, pinned, green, for 3 mm cable

760251075 | N-048-MP-8G1-F16YL/30T/B2



Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 48 fiber with 16-fiber, 3.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow 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	Yellow
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



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	G.657.A2/B2
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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)

760251075 | N-048-MP-8G1-F16YL/30T/B2

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
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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
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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
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Regulatory Compliance/Certifications

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

860661398

REACH-SVHC

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

ROHS

Compliant

UK-ROHS

Compliant

