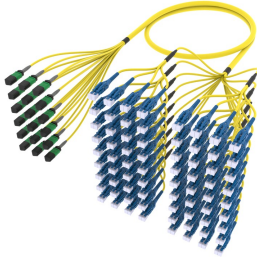# ULGQXLUTM

Base Product

Singlemode MPO8 APC pinned to LC/UPC Uniboot Ruggedized fanout Cable, 144-Fiber, Plenum, 8 fiber PmP 2.0 mm

Product Classification

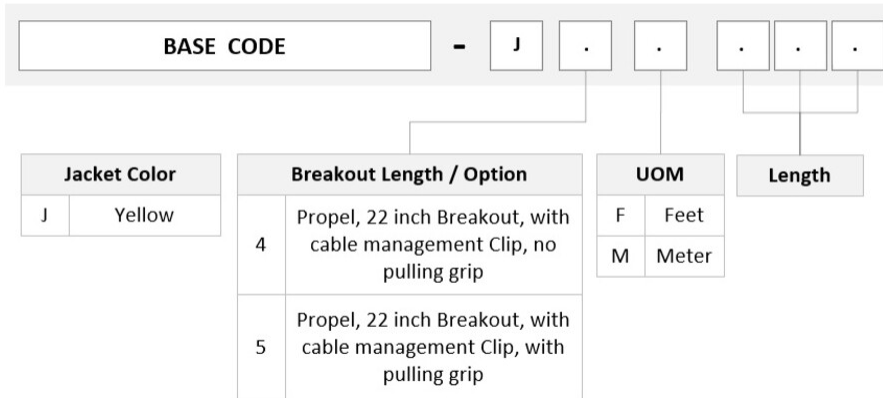|	
Regional Availability	Asia	Australia/New Zealand	China	Europe	India	Latin America	Middle East/Africa	North America
Portfolio	CommScope®
Product Type	Ruggedized fanout
Product Brand	Propel	SYSTIMAX ULL
Ordering Note	For additional jacket colors, please contact a CommScope Sales Representative	For lengths greater than 999 ft (304 m), orders must be in meters	Minimum length may vary based on cable configuration

General Specifications

Connector A, quantity	18
Color, boot A	Gray
Color, connector A	Green
Connector B, quantity	144
Color, boot B	Blue
Color, connector B	Blue
Construction Type	Stranded
Furcation Color	Yellow
Interface, Connector A	MPO-08/APC Male
Interface, Connector B	LC/UPC
Interface Feature, connector B	Uniboot
Jacket Color	Yellow
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	8
Total Fibers, quantity	144

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ULGQXLUTM

Dimensions

Breakout Length	22 in
Cable Assembly Length Range (m)	3 – 305
Cable Assembly Length Range (ft)	10 – 999

Ordering Tree

Jacket Color	
J	Yellow

Breakout Length / Option	
4	Propel, 22 inch Breakout, with cable management Clip, no pulling grip
5	Propel, 22 inch Breakout, with cable management Clip, with pulling grip

UOM	
F	Feet
M	Meter

Length

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	Indoor | Plenum

Regulatory Compliance/Certifications

Agency	Classification
ANATEL	Compliant
CHINA-ROHS	Above 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

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ULGQXLUTM

ROHS   Compliant/Exempted

UK-ROHS   Compliant/Exempted

Included Products

760248109 P-144-MP-8G1-F08YL/20T	–	Fiber indoor cable, Plenum MPO Trunk, 144 fiber multi-unit with 8 fiber subunits, Singlemode G. 657.A2/B2, Feet jacket marking, Yellow jacket color
860658160	–	LC/UPC Uniboot Connector, Singlemode, Blue
860659022	–	MPO-08, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 2mm

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Fiber indoor cable, Plenum MPO Trunk, 144 fiber multi-unit with 8 fiber subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color

Product Classification

Regional Availability	Asia	Australia/New Zealand	Latin America	Middle East/Africa	North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	P-MP

General Specifications

Cable Type	MPO trunk cable
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Yellow
Jacket Marking	Feet
Subunit, quantity	18
Fibers per Subunit, quantity	8
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	2 mm	0.079 in
Diameter Over Jacket	12.4 mm	0.488 in

Representative Image

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Mechanical Specifications

Minimum Bend Radius, loaded	186 mm | 7.323 in
Minimum Bend Radius, unloaded	124 mm | 4.882 in
Tensile Load, long term, maximum	200 N | 44.962 lbf
Tensile Load, short term, maximum	667 N | 149.948 lbf
Compression	10 N/mm | 57.101 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	129 m | 423.228 ft

Optical Specifications

Fiber Type	G.657.A2/B2 | G.657.A2/B2

Environmental Specifications

Installation temperature	0 °C to +70 °C (+32 °F to +158 °F)

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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
Environmental Space	Plenum
Flame Test Listing	NEC OFNP (ETL) and c(ETL)
Flame Test Method	NFPA 130	NFPA 262

Environmental Test Specifications

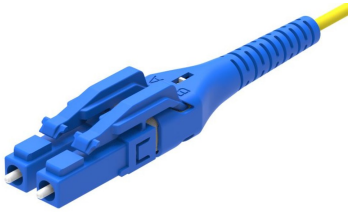|	
Heat Age	0 °C to +85 °C (+32 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	0 °C to +70 °C (+32 °F to +158 °F)
Low High Bend Test Method	FOTP-37	IEC 60794-1 E11
Temperature Cycle	0 °C to +70 °C (+32 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3	IEC 60794-1 F1

Packaging and Weights

Cable weight	157.9 kg/km	106.104 lb/kft

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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860658160

LC/UPC Uniboot Connector, Singlemode, Blue

Product Classification

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

General Specifications

Color, boot	Blue
Color, housing	Blue
Interface	LC/UPC

Dimensions

Length	64 mm | 2.52 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	0.25 dB
Return Loss, minimum	55 dB

Regulatory Compliance/Certifications

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Agency	Classification
CHINA-ROHS	Above maximum concentration value
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

* 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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860659022

MPO-08, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 2mm

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 Male
Interface Feature	Pinned
Total Fiber Count	8

Dimensions

Compatible Cable Diameter	2 mm	0.079 in

Material Specifications

Ferrule Material	Polymer

Optical Specifications

Fiber Mode	Singlemode
Fiber Type	G.657.A2
Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss, ULL, typical	0.35 dB
Return Loss, minimum	65 dB

Packaging and Weights

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860659022

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

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