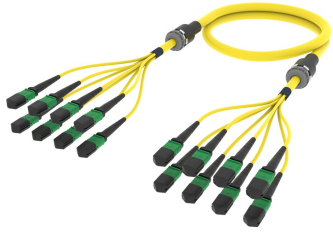# UHGRZRZ8Q

Base Product

Singlemode MPO16 APC (pinned) to MPO16 APC (pinned), Fiber Trunk Cable Assembly, 128-Fiber, Armored Indoor Plenum

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	8
Color, boot A	Black
Color, connector A	Green
Connector B, quantity	8
Color, boot B	Black
Color, connector B	Green
Construction Type	Armored	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	128

Dimensions

COMMSCOPE®

UHGRZRZ8Q

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

Ordering Tree

BASE CODE	-	J	.	.	.	.	.

Jacket Color	
J	Yellow

Breakout Length / Option	
J	Propel, 22 inch breakout, with cable management clip, no pulling grip
K	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
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
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

COMMSCOPE®

Included Products

760256190 P-128-MZ-8G1-F16YL	–	Fiber indoor cable, Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 128 fiber multi-unit with 16 fiber subunits, Gel-free, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color
860661406	–	MPO16,ULL,MALE,SM,GREEN, 3mm

COMMSCOPE®

760256190 | P-128-MZ-8G1-F16YL

Fiber indoor cable, Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 128 fiber multi-unit with 16 fiber subunits, Gel-free, 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-MZ

General Specifications

Armor Type	Interlocking aluminum
Cable Type	MPO trunk cable
Construction Type	Armored
Subunit Type	Gel-free
Jacket Color	Yellow
Jacket Marking	Feet
Subunit, quantity	8
Fibers per Subunit, quantity	16
Total Fiber Count	128

Dimensions

Buffer Tube/Subunit Diameter	3 mm	0.118 in
Diameter Over Armor	18.42 mm	0.725 in
Diameter Over Jacket	20.4 mm	0.803 in

Representative Image

COMMSCOPE®

760256190 | P-128-MZ-8G1-F16YL

Outer Jacket
Interlocking Aluminum Armor
Internal Plenum Loose Tube Cordage Cable

Mechanical Specifications

Minimum Bend Radius, loaded	307 mm	12.087 in
Minimum Bend Radius, unloaded	204 mm	8.032 in
Tensile Load, long term, maximum	400 N	89.924 lbf
Tensile Load, short term, maximum	1335 N	300.12 lbf
Compression	85 N/mm	485.363 lb/in
Compression Test Method	FOTP-41	IEC 60794-1 E3
Flex	300 cycles
Flex Test Method	FOTP-104	IEC 60794-1 E6
Impact	35 N-m	309.776 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	111 m	364.173 ft

Optical Specifications

Fiber Type	G.657.A2/B2

Environmental Specifications

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

COMMSCOPE®

760256190 | P-128-MZ-8G1-F16YL

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 OFCP (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	369 kg/km | 247.957 lb/kft

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®

860661406

MPO16,ULL,MALE,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/UPC 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	Singlemode
Fiber Type	G.652.D and G.657.A1, TeraSPEED® | OS2
Insertion Loss Change, mating	0.35 dB
Optical Components Standard	ANSI/TIA-568-C.3

COMMSCOPE®

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

COMMSCOPE®