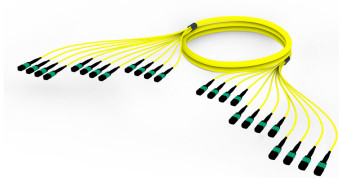# U3GMXMXCM

Base Product

Ultra Low Loss ULL TeraSPEED® MPO(Pinned) to MPO(Pinned) Pre-terminated Trunk Cable, MPO12, 144-Fiber, LSZH, 12 fiber PmP 2.0 mm /B2ca

Product Classification

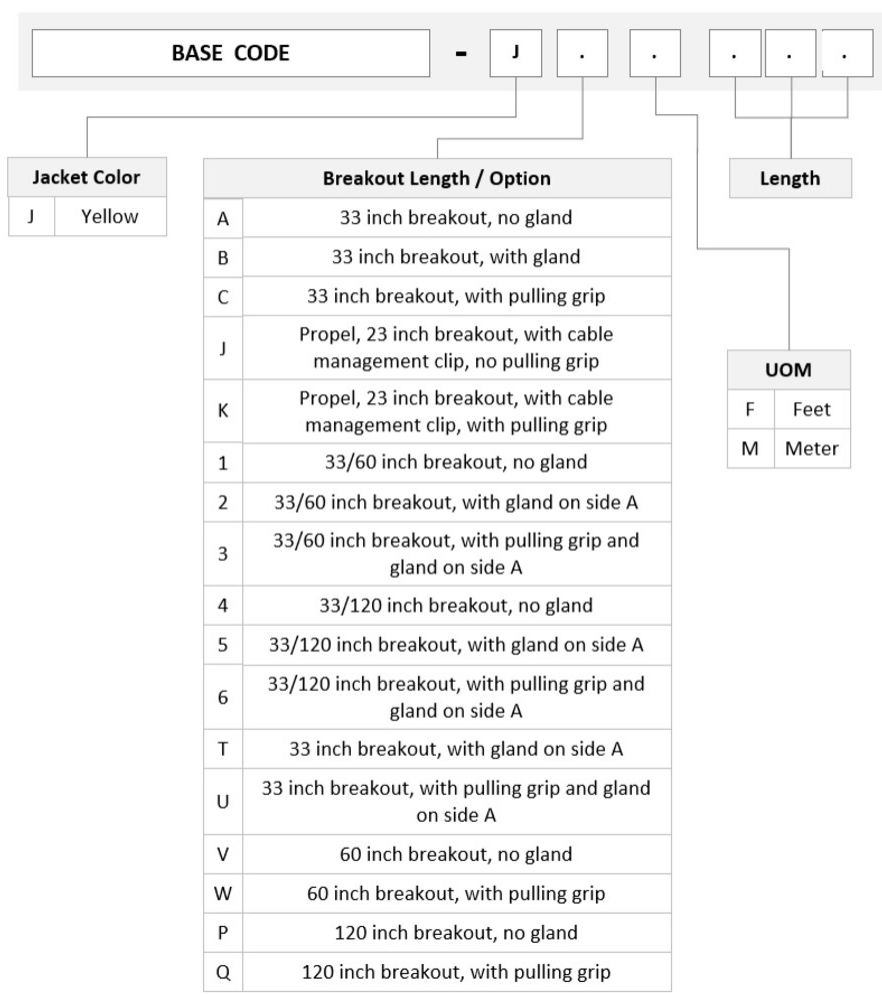|	
Regional Availability	Europe | Middle East/Africa
Portfolio	CommScope®
Product Type	Fiber trunk cable assembly
Product Brand	SYSTIMAX ULL
Ordering Note	For additional jacket colors, please contact a CommScope Sales Representative | For lengths greater than 999 ft (304 m), orders must be in meters | Minimum length may vary based on cable configuration

General Specifications

Color, boot A	Black
Color, connector A	Green
Color, boot B	Black
Color, connector B	Green
Construction Type	Stranded
Furcation Color	Yellow
Interface, Connector A	MPO-12/APC Male
Interface, Connector B	MPO-12/APC Male
Jacket Color	Yellow
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	12
Total Fibers, quantity	144

Dimensions

Breakout Length	33 in
Cable Assembly Length Range (m)	3 – 999
Cable Assembly Length Range (ft)	10 – 999

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Ordering Tree

| BASE CODE | - | J | . | . | . | . | . |

Jacket Color

| J | Yellow |

Breakout Length / Option

A	33 inch breakout, no gland
B	33 inch breakout, with gland
C	33 inch breakout, with pulling grip
J	Propel, 23 inch breakout, with cable management clip, no pulling grip
K	Propel, 23 inch breakout, with cable management clip, with pulling grip
1	33/60 inch breakout, no gland
2	33/60 inch breakout, with gland on side A
3	33/60 inch breakout, with pulling grip and gland on side A
4	33/120 inch breakout, no gland
5	33/120 inch breakout, with gland on side A
6	33/120 inch breakout, with pulling grip and gland on side A
T	33 inch breakout, with gland on side A
U	33 inch breakout, with pulling grip and gland on side A
V	60 inch breakout, no gland
W	60 inch breakout, with pulling grip
P	120 inch breakout, no gland
Q	120 inch breakout, with pulling grip

Length

UOM

| F | Feet |
| M | Meter |

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

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U3GMXMXCM

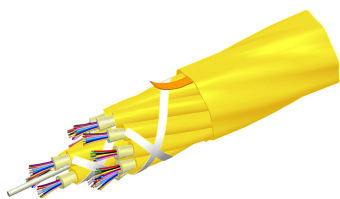| Agency	Classification
ANATEL	Compliant
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

Included Products

760248531 N-144-MP-8G1-F12YL/20T/B2	–	Fiber indoor cable, Low Smoke Zero Halogen MPO Trunk Cable, 144 fiber multi-unit with 12 fiber 2.0mm subunits, Gel-free, Singlemode G.657.A2, Feet jacket marking, Yellow jacket color, B2ca flame rating

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760248531 | N-144-MP-8G1-F12YL/20T/B2

Fiber indoor cable, Low Smoke Zero Halogen MPO Trunk Cable, 144 fiber multi-unit with 12 fiber 2.0mm subunits, Gel-free, Singlemode G.657.A2, 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
Jacket Color	Yellow
Jacket Marking	Feet
Subunit, quantity	12
Fibers per Subunit, quantity	12
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	2 mm	0.079 in
Diameter Over Jacket	12.9 mm	0.508 in

Representative Image

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760248531 | N-144-MP-8G1-F12YL/20T/B2

Labels: Outer Jacket, Ripcord, 12-Fiber Subunits, Central Member

Mechanical Specifications

Minimum Bend Radius, loaded	194 mm	7.638 in
Minimum Bend Radius, unloaded	129 mm	5.079 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	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	114 m	374.016 ft

Optical Specifications

Fiber Type	G.657.A2	OS2

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)
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)

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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	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-3	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 +50 °C (+32 °F to +122 °F)
Low High Bend Test Method	FOTP-37	IEC 60794-1 E11
Temperature Cycle	0 °C to +60 °C (+32 °F to +140 °F)
Temperature Cycle Test Method	FOTP-3	IEC 60794-1 F1

Packaging and Weights

Cable weight	179.8 kg/km	120.82 lb/kft

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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