

UJVVQVQZTR

Base Product



Ultra Low Loss (ULL) OM5 MPO APC (Non-Pinned) to MPO APC (Pinned), Fiber Trunk Cable Assembly, 16-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 | 2 |
| Color, boot A | Gray |
| Color, connector A | Green |
| Connector B, quantity | 2 |
| Color, boot B | Gray |
| Color, connector B | Green |
| Construction Type | Stranded |
| Furcation Color | Lime green |
| Interface, Connector A | MPO-08/APC Female |
| Interface, Connector B | MPO-08/APC Male |
| Jacket Color | Lime green |
| Polarity | Method B Enhanced (ULL) |
| Fibers per Subunit, quantity | 8 |
| Total Fibers, quantity | 16 |

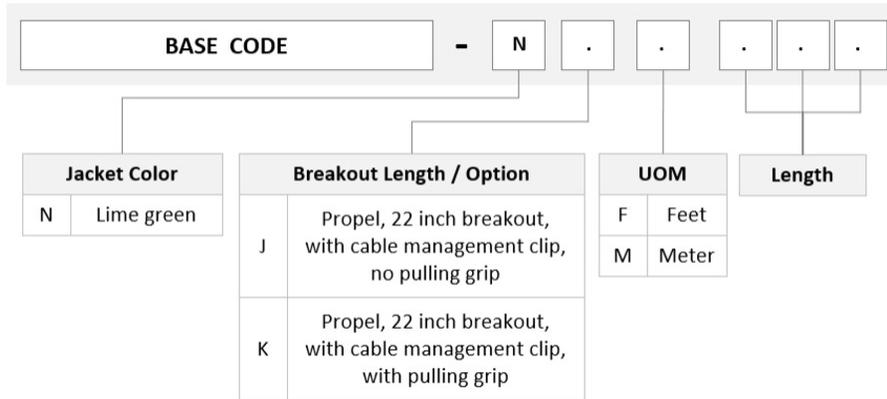
Dimensions

| | |
|------------------------|-------|
| Breakout Length | 22 in |
|------------------------|-------|

UJVVQVQZTR

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|---|----------|
| 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 ° |
|--|---------------------------------|

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 |

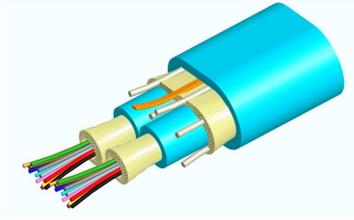
Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | 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 |



Included Products

- | | | |
|--------------------------------------|---|--|
| 760248171 N-016-MP-5G-F08LM/20T/D | - | Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 16 fiber with 8 fiber 2.0mm subunits, Gel-free, Multimode OM5, Feet jacket marking, Aqua jacket color, Dca flame rating |
| 860662230 | - | MPO8,ULL,Multimode,MALE,APC,GREEN,2 mm |
| 860662232 | - | MPO8,ULL,Multimode,FEMALE,APC,GREEN,2 mm |



Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 16 fiber with 8 fiber 2.0mm subunits, Gel-free, Multimode OM5, Feet jacket marking, Aqua jacket color, Dca 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 |

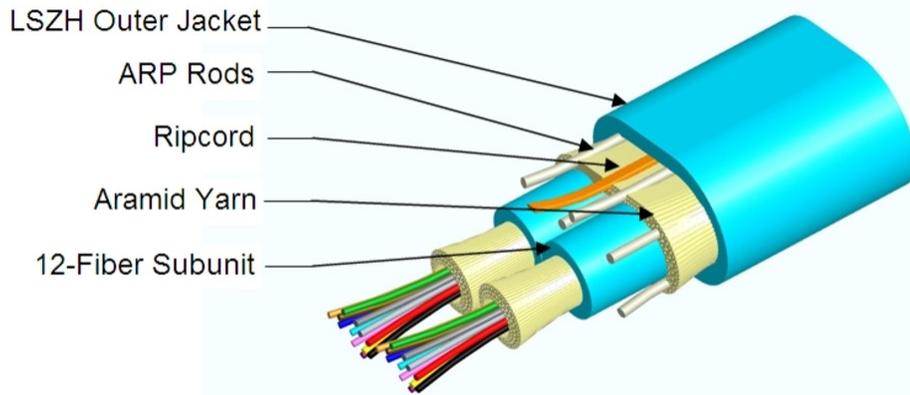
General Specifications

| | |
|-------------------------------------|-----------------|
| Cable Type | MPO trunk cable |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Aqua |
| Jacket Marking | Feet |
| Subunit, quantity | 2 |
| Fibers per Subunit, quantity | 8 |
| Total Fiber Count | 16 |

Dimensions

| | |
|-------------------------------------|-------------------|
| Height Over Jacket | 4.5 mm 0.177 in |
| Width Over Jacket | 6.2 mm 0.244 in |
| Buffer Tube/Subunit Diameter | 2 mm 0.079 in |

Representative Image



Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 67 mm 2.638 in |
| Minimum Bend Radius, unloaded | 45 mm 1.772 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 | 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 | 500 m 1,640.42 ft |

Optical Specifications

| | |
|-------------------|--------------------------|
| Fiber Type | OM5, LazrSPEED® wideband |
|-------------------|--------------------------|

Environmental Specifications

| | |
|---------------------------------|------------------------------------|
| Installation temperature | 0 °C to +60 °C (+32 °F to +140 °F) |
|---------------------------------|------------------------------------|

760248171 | N-016-MP-5G-F08LM/20T/D

| | |
|---|---|
| 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 |
| EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1a |
| EN50575 CPR Cable EuroClass Droplets Rating | d1 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Low Smoke Zero Halogen (LSZH) Riser |
| Flame Test Listing | NEC OFNR-ST1 (ETL) and c(ETL) |
| Flame Test Method | IEC 60332-3 IEC 60754-2 IEC 61034-2 UL 1666 UL 1685 |

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 +60 °C (+32 °F to +140 °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 | 33 kg/km 22.175 lb/kft |
|---------------------|--------------------------|

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

860662230



MPO8,ULL,Multimode,MALE,APC,GREEN,2 mm

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 | 8 |

Dimensions

| | |
|----------------------------------|--------------------|
| Length | 60.1 mm 2.366 in |
| Compatible Cable Diameter | 2 mm 0.079 in |

Material Specifications

| | |
|-------------------------|---------|
| Ferrule Material | Polymer |
|-------------------------|---------|

Mechanical Specifications

| | |
|--|----------------|
| Cable Retention Strength, maximum | 11.24 lb @ 0 ° |
|--|----------------|

Optical Specifications

| | |
|--------------------------------------|------------------|
| Fiber Mode | Multimode |
| Fiber Type | OM4, LazrSPEED® |
| Insertion Loss Change, mating | 0.3 dB |
| Optical Components Standard | ANSI/TIA-568-C.3 |

860662230

| | |
|---|--------|
| Insertion Loss Change, temperature | 0.3 dB |
| Insertion Loss, maximum | 0.2 dB |
| Return Loss, minimum | 45 dB |

Packaging and Weights

| | |
|---------------------------|---|
| Packaging quantity | 1 |
|---------------------------|---|

* 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) |

860662232



MPO8,ULL,Multimode,FEMALE,APC,GREEN,2 mm

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 Female |
| Interface Feature | Unpinned |

Dimensions

| | |
|----------------------------------|-----------------|
| Compatible Cable Diameter | 2 mm 0.079 in |
|----------------------------------|-----------------|

Optical Specifications

| | |
|---|------------------|
| Fiber Mode | Multimode |
| Fiber Type | OM4 OM5 |
| Insertion Loss Change, mating | 0.3 dB |
| Optical Components Standard | ANSI/TIA-568-C.3 |
| Insertion Loss Change, temperature | 0.3 dB |
| Insertion Loss, maximum | 0.2 dB |
| Return Loss, minimum | 45 dB |

Packaging and Weights

| | |
|---------------------------|---|
| Packaging quantity | 1 |
|---------------------------|---|

* Footnotes

860662232

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)