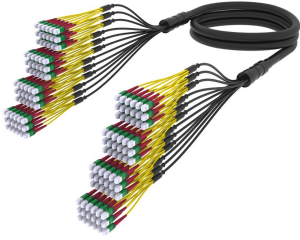


# UJF2X2XS9

## Base Product



Ultra Low Loss (ULL) Singlemode 200um MPO24 (pinned) Pre-terminated Trunk Cable, 3456-Fiber, 12-Fiber Rollable Ribbon Indoor /Outdoor Central Tube, Low Smoke Zero Halogen (LSZH)/Riser

## Product Classification

|                              |  |
|------------------------------|--|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   Europe   Latin America   Middle East /Africa   North America  |
| <b>Portfolio</b>             | CommScope®   |
| <b>Product Type</b>          | Fiber trunk cable assembly   |
| <b>Product Brand</b>         | SYSTIMAX ULL   |
| <b>Ordering Note</b>         | 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

|                                     |                         |
|-------------------------------------|-------------------------|
| <b>Color, boot A</b>                | Red                     |
| <b>Color, connector A</b>           | Green                   |
| <b>Color, boot B</b>                | Red                     |
| <b>Color, connector B</b>           | Green                   |
| <b>Construction Type</b>            | Rollable ribbon         |
| <b>Furcation Color</b>              | Yellow                  |
| <b>Interface, Connector A</b>       | MPO-24/APC Male         |
| <b>Interface, Connector B</b>       | MPO-12/APC Male         |
| <b>Jacket Color</b>                 | Black                   |
| <b>Polarity</b>                     | Method B Enhanced (ULL) |
| <b>Fibers per Subunit, quantity</b> | 12                      |
| <b>Total Fibers, quantity</b>       | 3456                    |

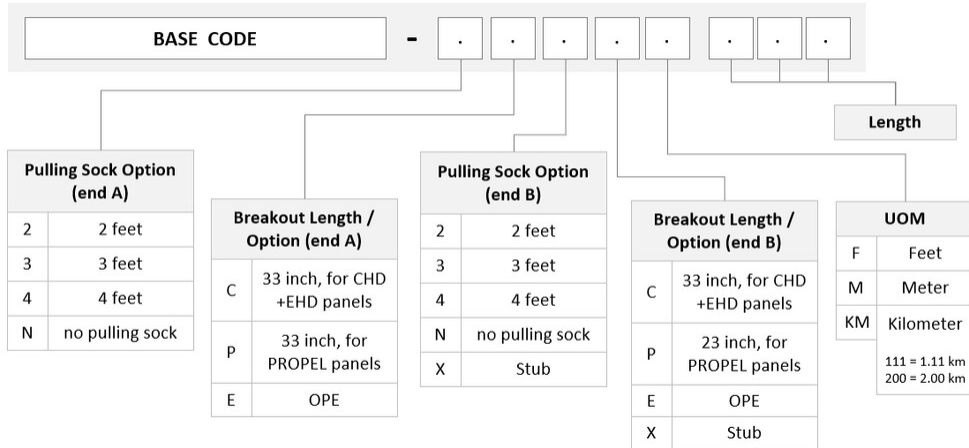
## Dimensions

|   |          |
|---|----------|
| <b>Cable Assembly Length Range (m)</b>  | 5 – 999  |
| <b>Cable Assembly Length Range (ft)</b> | 15 – 999 |

# UJF2X2XS9

**Cable Assembly Length Range (km)** 1.00 – 2.00

## Ordering Tree



## 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** Dual Rated LSZH/Riser

## Packaging and Weights

**Packaging Type** Wood reel

## Regulatory Compliance/Certifications

**Agency** **Classification**

ANATEL Compliant

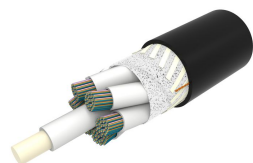


# UJF2X2XS9

---

## Included Products

- 760250982  
Z-3456-LN-RR-F12BK/8G1/99L  
/200/C - Fiber indoor/outdoor cable, LSZH Rollable Ribbon with 200um Fibers, 3456 fiber, Singlemode G.657.A2, Gel-free, Feet jacket marking, Black jacket color, Cca flame rating
- 860651709 - TeraSPEED® MPO Male 24 Fiber Connector, green, 3.6 mm



Fiber indoor/outdoor cable, LSZH Rollable Ribbon with 200um Fibers, 3456 fiber, Singlemode G.657.A2, Gel-free, Feet jacket marking, Black jacket color, Cca flame rating

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber indoor/outdoor cable  |
| <b>Product Series</b>        | Z-LN  |

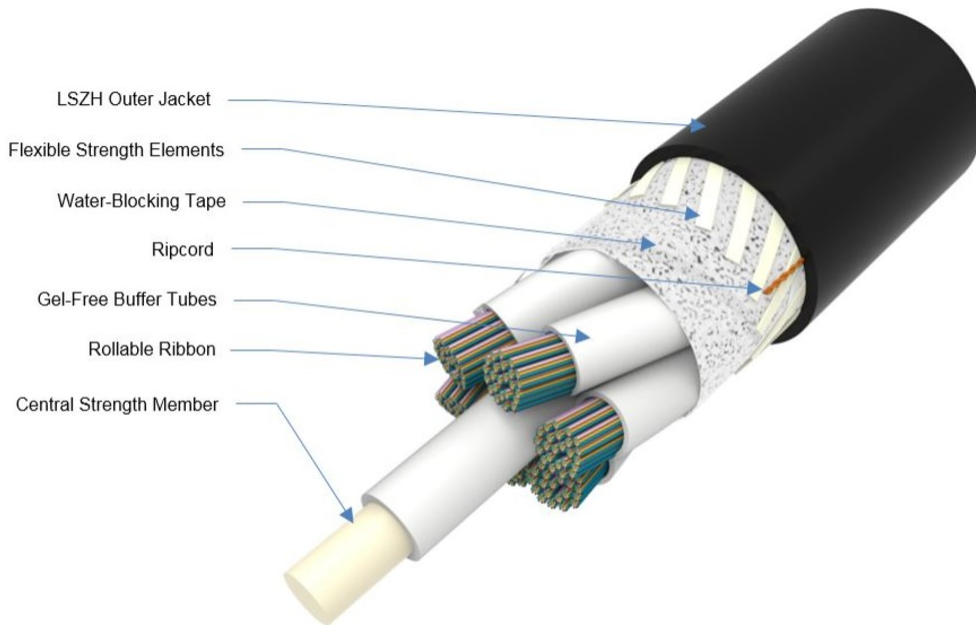
## General Specifications

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Cable Type</b>                   | Ribbon loose tube |
| <b>Construction Type</b>            | Non-armored       |
| <b>Subunit Type</b>                 | Gel-free          |
| <b>Fibers per Ribbon, quantity</b>  | 12                |
| <b>Jacket Color</b>                 | Black             |
| <b>Jacket Marking</b>               | Feet              |
| <b>Fibers per Subunit, quantity</b> | 576               |
| <b>Total Fiber Count</b>            | 3456              |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 7.5 mm   0.295 in  |
| <b>Diameter Over Jacket</b>         | 27.5 mm   1.083 in |

## Representative Image



## Mechanical Specifications

|   |                                       |
|---|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>        | 412 mm   16.22 in                     |
| <b>Minimum Bend Radius, storage coils</b> | 412 mm   16.22 in                     |
| <b>Minimum Bend Radius, unloaded</b>      | 412 mm   16.22 in                     |
| <b>Tensile Load, long term, maximum</b>   | 800 N   179.847 lbf                   |
| <b>Tensile Load, short term, maximum</b>  | 2669 N   600.015 lbf                  |
| <b>Compression</b>                        | 22 N/mm   125.623 lb/in               |
| <b>Compression Test Method</b>            | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                               | 25 cycles                             |
| <b>Flex Test Method</b>                   | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                             | 4.4 N-m   38.943 in lb                |
| <b>Impact Test Method</b>                 | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                             | See long and short term tensile loads |
| <b>Strain Test Method</b>                 | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                              | 10 cycles                             |
| <b>Twist Test Method</b>                  | FOTP-85   IEC 60794-1 E7              |

## Optical Specifications

|                   |                                 |
|-------------------|---------------------------------|
| <b>Fiber Type</b> | G.657.A2   G.657.A2, TeraSPEED® |
|-------------------|---------------------------------|

## Environmental Specifications

|   |   |
|---|---|
| <b>Installation temperature</b>                     | -30 °C to +60 °C (-22 °F to +140 °F)              |
| <b>Operating Temperature</b>                        | -40 °C to +70 °C (-40 °F to +158 °F)              |
| <b>Storage Temperature</b>                          | -40 °C to +70 °C (-40 °F to +158 °F)              |
| <b>Cable Qualification Standards</b>                | ANSI/ICEA S-87-640   Telcordia GR-20-CORE Issue 4 |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | Cca   |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s1b   |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d1  |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1  |
| <b>Environmental Space</b>                          | Low Smoke Zero Halogen (LSZH)                     |
| <b>Flame Test Listing</b>                           | NEC OFNR-ST1 (UL) and c(UL)                       |
| <b>Flame Test Method</b>                            | CSA FT4   UL 1666                                 |
| <b>Jacket UV Resistance</b>                         | UV stabilized                                     |
| <b>Water Penetration</b>                            | 24 h  |
| <b>Water Penetration Test Method</b>                | FOTP-82   IEC 60794-1 F5                          |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Cable Freeze</b>                  | -2 °C   28.4 °F                      |
| <b>Cable Freeze Test Method</b>      | FOTP-98   IEC 60794-1 F15            |
| <b>Heat Age</b>                      | -40 °C to +85 °C (-40 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                       |
| <b>Low High Bend</b>                 | -30 °C to +60 °C (-22 °F to +140 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11            |
| <b>Temperature Cycle</b>             | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1              |

## Packaging and Weights

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 800 kg/km   537.575 lb/kft |
|---------------------|----------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b> |
|---------------|-----------------------|
| ANATEL        | Compliant             |



\* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

## TeraSPEED® MPO Male 24 Fiber Connector, green, 3.6 mm



### Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber connector   |
| <b>Product Brand</b>         | TeraSPEED®  |

### General Specifications

|                          |              |
|--------------------------|--------------|
| <b>Color</b>             | Green        |
| <b>Color, boot</b>       | Red          |
| <b>Ferrule Geometry</b>  | Angled       |
| <b>Interface</b>         | MPO/APC Male |
| <b>Interface Feature</b> | Pinned       |
| <b>Total Fiber Count</b> | 24           |

### Dimensions

|                                  |                    |
|----------------------------------|--------------------|
| <b>Length</b>                    | 60.1 mm   2.366 in |
| <b>Compatible Cable Diameter</b> | 3.6 mm   0.142 in  |

### Material Specifications

|                         |         |
|-------------------------|---------|
| <b>Ferrule Material</b> | Polymer |
|-------------------------|---------|

### Mechanical Specifications

|  |                |
|--|----------------|
| <b>Cable Retention Strength, maximum</b> | 11.24 lb @ 0 ° |
|--|----------------|

### Optical Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Fiber Mode</b>                    | Singlemode                             |
| <b>Fiber Type</b>                    | G.652.D and G.657.A1, TeraSPEED®   OS2 |
| <b>Insertion Loss Change, mating</b> | 0.5 dB                                 |



# 860651709

---

|   |                  |
|---|------------------|
| <b>Optical Components Standard</b>        | ANSI/TIA-568-C.3 |
| <b>Insertion Loss Change, temperature</b> | 0.5 dB           |
| <b>Insertion Loss, maximum</b>            | 0.75 dB          |
| <b>Return Loss, minimum</b>               | 60 dB            |

## Packaging and Weights

|                           |   |
|---------------------------|---|
| <b>Packaging quantity</b> | 1 |
|---------------------------|---|

## \* Footnotes

|   |   |
|---|---|
| <b>Insertion Loss Change, mating</b>      | TIA-568: Maximum insertion loss change after 500 matings                |
| <b>Insertion Loss Change, temperature</b> | Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F) |