

## AX103837 Faceplates and Panels - FiberExpress Ultra Cassette



For more Information  
please call

1-800-Belden1



### General Description:

FiberExpress Ultra Pre-terminated Cassette, 24 fibers, LC-Duplex/UPC-MPO/APC, Single-mode, OS2

### Usage (Overall)

|                               |   |
|-------------------------------|---|
| <b>Suitable Applications:</b> | FiberExpress Ultra Solutions, Backbone, Telecommunications Room, Main Distribution Room, Data Centers |
| <b>Related Parts:</b>         | FiberExpress Ultra Patch panels, Pre-terminated MPO cable assemblies                                  |

### Physical Characteristics (Connectivity)

#### Capacity

|                       |                                |
|-----------------------|--------------------------------|
| <b>Max. Capacity:</b> | 24 Fibers, 12 LC Duplex Bezels |
|-----------------------|--------------------------------|

#### Access

|                          |                |
|--------------------------|----------------|
| <b>Front Connection:</b> | 1 inch Pullout |
|--------------------------|----------------|

#### Dimensions

Dimensions:

| Height (in.) | Width (in.) | Length (in.) |
|--------------|-------------|--------------|
| 1.500        | 4.500       | 6.600        |

#### Materials

Materials:

| Description          | Type      | Material          | Color |
|----------------------|-----------|-------------------|-------|
| Cassette assy        |           | Plastic - UL94V-0 | Black |
| Front Connector Body | LC-DUPLEX | Plastic - UL94V-0 | Blue  |
| Adapter Sleeve       |           | Zirconia-Ceramic  |       |
| Rear Connector Body  | MPO Male  | Plastic - UL94V-0 | Black |

#### Weight

|                |            |
|----------------|------------|
| <b>Weight:</b> | 0.500 lbs. |
|----------------|------------|

#### Packaging

|                   |   |
|-------------------|---|
| <b>Packaging:</b> | Individually packaged in a plastic shell, Shipped in cardboard box (14/box) |
|-------------------|---|

### Mechanical Characteristics (Connectivity)

|                                     |                |
|-------------------------------------|----------------|
| <b>Storage Temperature Range:</b>   | -10°C To +75°C |
| <b>Operating Temperature Range:</b> | -10°C To +60°C |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|  |             |
|--|-------------|
| <b>EU Directive 2002/95/EC (RoHS):</b>       | Yes         |
| <b>EU RoHS Compliance Date (mm/dd/yyyy):</b> | 07/01/2006  |
| <b>MII Order #39 (China RoHS):</b>           | EUP 50      |
| <b>Telecommunications Standards:</b>         | TIA 568.C.3 |

#### Suitability

|                              |     |
|------------------------------|-----|
| <b>Suitability - Indoor:</b> | Yes |
|------------------------------|-----|

### Transmission Characteristics (Connectivity)

Transmission Specifications:

| Description                          | Multimode   | Singlemode  |
|--------------------------------------|-------------|-------------|
| ST-type and SC-Duplex Insertion Loss | 1.50dB max  | 1.25dB max  |
| ST-type and SC-Duplex Reflectance    | <-20dB      | <-55dB      |
| LC & Secure/Keyed LC Insertion Loss  | 1.15 dB max | 1.15 dB max |
| LC & Secure/Keyed LC Reflectance     | <-20 dB     | <-50dB      |
| MT-RJ Insertion Loss                 | 1.40 dB max | 1.40 dB max |
| MT-RJ Reflectance                    | <-20 dB     | <-45 dB     |

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### Notes (Overall)

**Notes:** For additional information about this product refer to product bulletin NP285, or visit our web site at <http://www.belden.com>.

### Product Family

#### Part Numbers:

| Description                              | Multimode OM1 - 62.5um | Multimode OM2 - 50um | Multimode OM3 - 50um | Single-Mode Enhance OS2 | Others   |
|--|------------------------|----------------------|----------------------|-------------------------|----------|
| ST-MPO 6 fibers                          | AX103619               | AX103673             | AX103691             | AX103799                | -        |
| ST-MPO 12 fibers                         | AX103638               | AX103680             | AX103710             | AX103818                | -        |
| SC Duplex-MPO - 6 fibers                 | AX103620               | AX103674             | AX103692             | AX103800                | -        |
| SC Duplex w/shutter-MPO - 6 fibers       | AX103621               | AX103675             | AX103693             | AX103801                | -        |
| SC Duplex-MPO - 12 fibers                | AX103639               | AX103681             | AX103711             | AX103819                | -        |
| LC Duplex-MPO - 6 fibers                 | AX103622               | AX103676             | AX103694             | AX103802                | -        |
| LC Duplex w/shutter-MPO - 6 fibers       | AX103623               | AX103677             | AX103695             | AX103803                | -        |
| LC Duplex-MPO - 12 fibers                | AX103641               | AX103683             | AX103713             | AX103821                | -        |
| LC Duplex w/shutter-MPO - 12 fibers      | AX103642               | AX103684             | AX103714             | AX103822                | -        |
| LC Duplex-MPO - 24 fibers                | AX103657               | AX103687             | AX103729             | AX103837                | -        |
| MT-RJ(M)-MPO - 6 fibers                  | AX103625               | AX103679             | AX103697             | AX103805                | -        |
| MT-RJ(M)-MPO - 12 fibers                 | AX103644               | AX103686             | AX103716             | AX103824                | -        |
| MT-RJ(M)-MPO - 24 fibers                 | AX103660               | AX103690             | AX103732             | AX103840                | -        |
| Cassette Rear assembly                   | -                      | -                    | -                    | -                       | AX103917 |
| Universal Frame w/Cassette Rear assembly | -                      | -                    | -                    | -                       | AX103918 |

### Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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