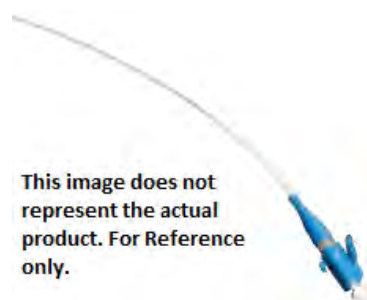


## FTSLB900PS01 Cable Assemblies - FX FIELD-TERMINATION PIGTAIL



For more Information  
please call

1-800-Belden1

**General Description:**

FX FIELD-TERMINATION PIGTAIL, OS2, LC SIMPLEX/APC, TIGHT BUFFER 900  $\mu$ M, SINGLE-ENDED, 2M, WHITE BUFFER

**Usage (Overall)**

|                        |   |
|------------------------|---|
| Suitable Applications: | Data Centers, Main Equipment Rooms and Telecommunications Rooms                         |
| Related Parts:         | FiberExpress Adapter Strips, FiberExpress Manager Modules and FiberExpress Ultra Frames |

**Cable Characteristics (Connectivity)****Overall Diameter**

|                           |           |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.035 in. |
|---------------------------|-----------|

**Physical Characteristics (Connectivity)****Fiber Type**

|             |           |
|-------------|-----------|
| Fiber Type: | SM, (OS2) |
|-------------|-----------|

**Materials****Materials:**

| Description     | Type   | Material         | Color |
|-----------------|--------|------------------|-------|
| Connector end 1 | LC     | Plastic          | Green |
| Boot end 1      |        | Rubber           | Green |
| Ferrule end 1   | 1.25mm | Zirconia-Ceramic |       |

**Wiring Scheme**

|                |                 |
|----------------|-----------------|
| Wiring Scheme: | TIA/EIA 568-C.3 |
|----------------|-----------------|

**Weight**

|         |            |
|---------|------------|
| Weight: | 0.075 lbs. |
|---------|------------|

**Packaging**

|            |                        |
|------------|------------------------|
| Packaging: | Individually packaged. |
|------------|------------------------|

**Mechanical Characteristics (Connectivity)**

|                            |                |
|----------------------------|----------------|
| Storage Temperature Range: | -40°C To +75°C |
|----------------------------|----------------|

|                              |                |
|------------------------------|----------------|
| Operating Temperature Range: | -40°C To +75°C |
|------------------------------|----------------|

**Environmental/Mechanical Characteristics:**

| Test (Method)             | TIA 568-D.3                         | Belden                              |
|---------------------------|-------------------------------------|-------------------------------------|
| Thermal Cycling (FOTP-3)  | n/a                                 | -40 to 75°C cycling for 7 days      |
| Temperature Life (FOTP-4) | 60°C for 4 days                     | 85°C for 7 days                     |
| Humidity (FOTP-5)         | 90-95% at 40°C for 4 days           | 95% @ 75°C for 7 days               |
| Durability (FOTP-21)      | 500 cycles                          | 6 x 200 cycles (3 Elevations)       |
| Cable Retention (FOTP-6)  | 5.0 kg @ 0 deg.                     | 1.94 kg @90 deg.                    |
| Flex (FOTP-1)             | 0.5 kg @ 90° to -90° for 100 cycles | 0.9 kg @ 90° to -90° for 100 cycles |
| Twist (FOTP-36)           | 1.5 kg for 10 cycles                | 1.5 kg for 10 cycles                |

**Overall Length Tolerances:**

| Range             | Tolerance         | Range             | Tolerance       | Range                      | Tolerance                  |
|-------------------|-------------------|-------------------|-----------------|----------------------------|----------------------------|
| Sx & Dx Patchcord | Sx & Dx Patchcord | MPO Trunk         | MPO Trunk       | Multi-Fiber Cable Assembly | Multi-Fiber Cable Assembly |
| 0 to 2 meters     | +0.2 / -0 meter   | 0 to 2 meters     | +0.2 / -0 meter | 0 to 2 meters              | +0.2 / -0 meter            |
| 2.1 to 5.0 meters | +0.3 / -0 meter   | 2.1 to 5.0 meters | +0.3 / -0 meter | 2.1 to 5.0 meters          | +0.3 / -0 meter            |
| 5.1 to 40 meters  | +0.4 / -0 meter   | 5.1 to 20 meters  | +0.4 / -0 meter | 5.1 to 20 meters           | +0.4 / -0 meter            |
| Over 40.1 meters  | + 1.0% / -0%      | Over 20.1 meters  | + 1.0% / -0%    | Over 20.1 meters           | + 1.3 / -0 meter           |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                                    |     |
|------------------------------------|-----|
| EU Directive 2011/65/EU (ROHS II): | Yes |
|------------------------------------|-----|

## FTSLB900PS01 Cable Assemblies - FX FIELD-TERMINATION PIGTAIL

|                                       |                                  |
|---------------------------------------|----------------------------------|
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2013                       |
| MII Order #39 (China RoHS):           | EUP 50                           |
| Safety Listing:                       | ACA, Bi-national Standard Listed |

**Suitability**

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

**Transmission Characteristics (Connectivity)****Optical Connector Performance:**

| Description  | OM1 (62.5 µm) | OM2 (50 µm) | OM3 (50 µm) | OM4 (50 µm) | OS2 (Singlemode) UPC | OS2 (Singlemode) APC |
|--|---------------|-------------|-------------|-------------|----------------------|----------------------|
| Maximum IL (dB) SingleFiber Connector LC - SC - ST | 0.25 dB       | 0.25 dB     | 0.25 dB     | 0.15 dB     | 0.35 dB              | 0.35 dB              |
| Typical RL (dB) SingleFiber connector LC - SC - ST | -30 dB        | -30 dB      | -30 dB      | -30 dB      | -55 dB               | -65 dB               |
| Maximum IL (dB) MultiFiber Connector MPO           | 0.5 dB        | 0.5 dB      | 0.35 dB     | 0.2 dB      | -                    | 0.75 dB              |
| Typical RL (dB) MultiFiber Connector MPO           | -30 dB        | -30 dB      | -30 dB      | -30 dB      | -                    | -60 dB               |

**Electrical Characteristics (Overall)****Notes (Overall)****Product Family****Put Ups and Colors:**

| Item #       | Putup | Ship Weight | Color | Notes | Item Desc                     |
|--------------|-------|-------------|-------|-------|-------------------------------|
| FTSLB900PS01 | 1 EA  | 0.034 KG    |       |       | FX PIGTAIL OS2 LC_SX/A TB_900 |

Revision Number: 0 Revision Date: 01-22-2015

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