

AX200799 Cable Assemblies - FiberExpress Duplex Patch Cord



For more Information
please call

1-800-Belden1



Description:

FiberExpress Duplex Patch Cord, ST-ST, PC-Polish, 2m (6ft 7in), Multimode, OM3, 50um Laser Optimized

Usage (Overall)

Suitable Applications: Data Centers, Main Equipment Rooms, Telecommunications Rooms and Work Area

Related Parts: FiberExpress Adapter Strips, FiberExpress Manager Modules and FiberExpress Ultra Frames and Cassettes. Workstation Outlets

Multi Conductor

Physical Characteristics

Overall Cabling

Overall Cabling Fillers: Refer to cable Technical Specifications

Overall Diameter

Overall Nominal Diameter: 0.118 x 0.236 in.

Physical Characteristics (Connectivity)

Fiber Type

Fiber Type: 50 Micron (OM3)

Materials

Materials:

| Description | Type | Material | Color |
|-----------------|------------|------------------|-------|
| Connector end 1 | ST | Metal | |
| Boot end 1 | | Rubber | Gray |
| Ferrule end 1 | 2.5mm | Zirconia-Ceramic | White |
| Connector end 2 | ST | Metal | |
| Boot end 2 | | Rubber | Gray |
| Ferrule end 2 | 2.5mm | Zirconia-Ceramic | White |
| Jacket | 3.0 mm Zip | OFNR | Aqua |

Wiring Scheme

Wiring Scheme: TIA/EIA 568-C.3

Weight

Weight: 0.196 lbs.

Packaging

Packaging: Individually packaged in a clear plastic bag.

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-C.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% a40°C for 4 days | 95% a75°C for 7 days |

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| | | |
|--------------------------|-------------------------------------|--------------------------------------|
| 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. | 6.8 kg @ 0 deg., 3.4 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 | Max. Length Tolerance | Min. Length Tolerance |
|------------|-----------------------|-----------------------|
| 0 - 2m | 0.2m | -0.0m |
| 2.1 - 4.9m | 0.3m | -0.0m |
| 5 - 40m | 0.4m | -0.0m |
| Over 40m | 1.0 percent | -0.0 percent |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|--|----------------------------------|
| UL Rating: | Riser |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2006 |
| MII Order #39 (China RoHS): | EUP 50 |
| Telecommunications Standards: | TIA 568.C.3 |
| Safety Listing: | ACA, Bi-national Standard Listed |

Suitability

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

Transmission Characteristics (Connectivity)

Optical Connector Performance:

| Description | Multimode PC Polish | Single-mode SPC Polish | Single-mode UPC Polish | Single-mode APC Polish |
|-----------------------------|---------------------|------------------------|------------------------|------------------------|
| Maximum Insertion Loss (dB) | 0.5 | 0.5 | 0.5 | 0.5 |
| Minimum Reflectance (dB) | -20 | -40 | -55 | -65 |

Notes (Overall)

Product Family

Product List:

| Description | Belden Part Number Multimode - OM1 - 62.5 µm | Belden Part Number Multimode - OM2 - 50 µm | Belden Part Number Multimode - OM3 - 50 µm | Single-mode - OS2 |
|------------------------------------|--|--|--|-------------------|
| Duplex Patch Cord | | | | |
| ST-ST - 2 m (6 ft.) | 70102419 | AX200341 | AX200799 | AX200090 |
| ST-ST - 3 m (10 ft.) | 70102420 | AX200459 | AX200795 | AX200091 |
| ST-ST - 5 m (16 ft.) | 70102447 | AX200413 | AX200800 | AX200092 |
| 568SC-568SC - 2 m (6 ft.) | AX200056 | AX200084 | AX200603 | AX200094 |
| 568SC-568SC - 3 m (10 ft.) | AX200057 | AX200082 | AX200589 | AX200095 |
| 568SC-568SC - 5 m (16 ft.) | AX200058 | AX200280 | AX200624 | AX200096 |
| LC duplex-LC duplex - 2 m (6 ft.) | AX200517 | AX200527 | AX200664 | AX200507 |
| LC duplex-LC duplex - 3 m (10 ft.) | AX200518 | AX200528 | AX200665 | AX200508 |
| LC duplex-LC duplex - 5 m (16 ft.) | AX200519 | AX200529 | AX200666 | AX200509 |
| MTRJ-MTRJ - 2 m (6 ft.) | AX101122 | AX101139 | AX200801 | AX101157 |
| MTRJ-MTRJ - 3 m (10 ft.) | AX101123 | AX101138 | AX200802 | AX101156 |
| MTRJ-MTRJ - 5 m (16 ft.) | AX101125 | AX101137 | AX200803 | AX101155 |
| Hybrid Patch Cord | | | | |
| 568SC-ST - 3 m (10 ft.) | AX200060 | AX200196 | AX200900 | AX200421 |
| LC duplex-ST - 3 m (10 ft.) | AX200699 | AX200695 | AX200809 | AX200698 |
| LC duplex-568SC - 3 m (10 ft.) | AX200580 | AX200581 | AX200668 | AX200667 |
| MTRJ-ST - 3 m (10 ft.) | AX101133 | AX101151 | AX200810 | AX101166 |
| MTRJ-568SC - 3 m (10 ft.) | AX101128 | AX101143 | AX200797 | AX101161 |
| Single-ended (pigtailed) | | | | |

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|-----------------------------|----------|----------|----------|----------|
| ST-open - 2 m (6 ft.) | 70100390 | AX200458 | AX200811 | AX200097 |
| SC-open - 2 m (6 ft.) | 70101714 | AX200192 | AX200653 | AX200098 |
| LC-open - 2 m (6 ft.) | AX200657 | AX200658 | AX200660 | AX200659 |
| MTRJ(m)-open - 3 m (10 ft.) | AX101366 | AX101367 | AX200812 | AX101368 |

Put Ups and Colors:

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

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