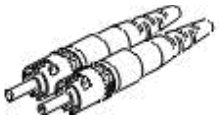
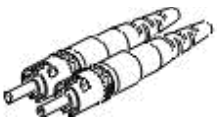
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

AX200795 Cable Assemblies - FiberExpress Duplex Patch Cord





For more Information please call

1-800-Belden1

Description:

FiberExpress Duplex Patch Cord, ST-ST, PC-Polish, 3m (9ft 10in), 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 Oultlets

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:	0.150 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
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

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Single-ended (pigtails)				
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

Revision Number: 0 Revision Date: 05-12-2009

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