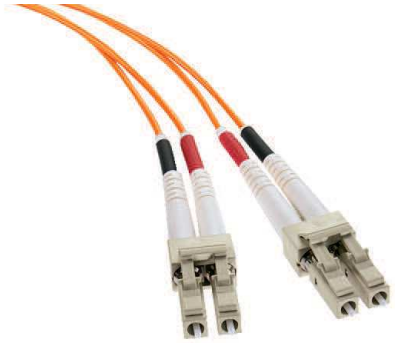
Economy Series Fiber Optic Patch Cords

APPLICATION

Leviton's Fiber Optic Patch Cords are designed to interconnect or cross connect fiber networks within structured cabling systems. Leviton can produce any standard or custom fiber patch cord to meet your requirements, and can offer quick-turn services for fast delivery.

Leviton offers two series of patch cords: Premium Series and Economy Series. Premium Series Patch Cords offers higher performance, optional custom labels, and optional 100% interferometer testing. Economy Series Patch Cords are a price-competitive solution that meets or exceeds all industry standards.



Economy Series
LC-LC Duplex, 62.5/125 MM

SPECIFICATION

Multimode patch cords shall meet an optical return loss equal to or better than -50 dB per mated pair, and single-mode equal to or better than 55 dB for UPC polish, or -60 dB for APC polish. Insertion loss shall not exceed 0.4 dB per mated pair for multimode and 0.35 dB for single-mode. The patch cords shall be compliant with TIA-568-C.3.

FEATURES

- Available in Duplex configurations
- Industry standard connector options
- Industry standard connector and test requirements
- All cables 100% optically tested
- Many fiber options: OM1, OM2, OM3, and OS2
- All cables are pre-labeled and individually bagged

DESIGN CONSIDERATIONS

- Offered in SC, ST, LC, or hybrid options
- All connectors have precision pre-radiused zirconia ferrules
- ST and FC connectors have metal bodies
- Duplex clips included with duplex configurations

STANDARDS COMPLIANCE

Designed to meet the requirements of TIA-568-C.3

PHYSICAL SPECIFICATIONS

See Page 2.

COUNTRY OF ORIGIN

China

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com.

Leviton Network Solutions, a division of Leviton Mfg. Co., Inc.
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PERFORMANCE SPECIFICATIONS

Cable Performance

Fiber Type	Maximum Attenuation (db/km)				Bandwidth (MHz•km)		Transmission Distance (meters)				
	850nm	**1300nm**	**1310nm**	**1550nm**	**850nm**	**1300nm**	**100Mb**	**1GbE**	**10GbE**	**40GbE**	**10GbE**
Single-mode (OS1)	N/A	N/A	0.4	0.3	N/A	N/A	>5,000 @ 1310nm		>10,000 @ 1310nm	NA	NA
62.5/125 µm MM (OM1)	3.5	1.0	N/A	N/A	200	500	300/2000 @ 850/1300nm	300/600 @ 850/1300nm	36/300 @ 850/1300nm	NA	NA
50/125 µm MM (OM2)	3.0	1.0	N/A	N/A	950	500		750/600 @ 850/1300nm	150/300 @ 850/1300nm	NA	NA
50/125 µm LO (10G-300m) MM (OM3)	3.0	1.0	N/A	N/A	2,000[1]	500[2]		1,000/600 @ 850/1300nm	300/300 @ 850/1300nm	100 @ 850nm	100 @ 850nm

[1] The effective modal bandwidth is determined based on an overfill launch (OFL) per TIA-455-204, except on laser optimized fiber types.
[2] 10GbE transmission @ 1,300 nm only applies to 10GBASE-LX4 (CWDM).

PERFORMANCE SPECIFICATIONS (CONT.)

	Multimode	**Single-mode**
Insertion Loss	0.4 dB Max	0.35 dB Max
Return Loss	>-25 dB	>-50 dB (UPC), >-55 dB (APC)
Durability	500 Matings	500 Matings
Repeatability	<0.2 dB	<0.2 dB
Operating Environment	-40° C to 75° C	-40° C to 75° C
Cable Retention	>20lbs / 89 N	>20lbs / 89 N
Rohs	Yes	Yes

50/125 µm MULTIMODE (OM2) OFNR DUPLEX

DESCRIPTION	LENGTH (METERS)	DUPLEX
SC-SC	1	50DSC-M01
SC-SC	2	50DSC-M02
SC-SC	3	50DSC-M03
SC-SC	5	50DSC-M05
SC-SC	10	50DSC-M10
ST-ST	1	50DST-M01
ST-ST	2	50DST-M02
ST-ST	3	50DST-M03
ST-ST	5	50DST-M05
ST-ST	10	50DST-M10
LC-LC	1	50DLC-M01
LC-LC	2	50DLC-M02
LC-LC	3	50DLC-M03
LC-LC	5	50DLC-M05
LC-LC	10	50DLC-M10
SC-LC	1	50DCL-M01
SC-LC	2	50DCL-M02
SC-LC	3	50DCL-M03
SC-LC	5	50DCL-M05
SC-LC	10	50DCL-M10

COLOR CODES

Cable Jackets	
Single-mode	Yellow
Multimode (62.5/125 µm)	Orange
Multimode (50/125 µm)	Orange
Laser optimized multimode (50/125 µm)	Aqua
Connectors and adapters	
Single-mode	Blue
Single-mode, APC (angle polishing)	Green
Multimode (62.5/125 µm)	Beige
Multimode (50/125 µm)	Beige
Laser optimized multimode (50/125 µm)	Aqua (connectors are beige)
Boots (Polarity defined by the following color scheme)	
Single-Mode	Yellow and White
Multimode	Black and Red

50/125 µm LOMM (OM3) OFNR DUPLEX

DESCRIPTION	LENGTH (METERS)	DUPLEX
SC-SC	1	5LDSC-M01
SC-SC	2	5LDSC-M02
SC-SC	3	5LDSC-M03
SC-SC	5	5LDSC-M05
SC-SC	10	5LDSC-M10
LC-LC	1	5LDLC-M01
LC-LC	2	5LDLC-M02
LC-LC	3	5LDLC-M03
LC-LC	5	5LDLC-M05
LC-LC	10	5LDLC-M10
SC-LC	1	5LDCL-M01
SC-LC	2	5LDCL-M02
SC-LC	3	5LDCL-M03
SC-LC	5	5LDCL-M05
SC-LC	10	5LDCL-M10

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62.5/125 µm MULTIMODE (OM1) OFNR DUPLEX		
DESCRIPTION	LENGTH (METERS)	DUPLEX
SC-SC	1	62DSC-M01
SC-SC	2	62DSC-M02
SC-SC	3	62DSC-M03
SC-SC	5	62DSC-M05
SC-SC	10	62DSC-M10
ST-ST	1	62DST-M01
ST-ST	2	62DST-M02
ST-ST	3	62DST-M03
ST-ST	5	62DST-M05
ST-ST	10	62DST-M10
LC-LC	1	62DLC-M01
LC-LC	2	62DLC-M02
LC-LC	3	62DLC-M03
LC-LC	5	62DLC-M05
LC-LC	10	62DLC-M10
SC-ST	1	62DCT-M01
SC-ST	2	62DCT-M02
SC-ST	3	62DCT-M03
SC-ST	5	62DCT-M05
SC-ST	10	62DCT-M10
SC-LC	1	62DCL-M01
SC-LC	2	62DCL-M02
SC-LC	3	62DCL-M03
SC-LC	5	62DCL-M05
SC-LC	10	62DCL-M10

9/125 µm SINGLE-MODE (OS1) OFNR DUPLEX		
DESCRIPTION	LENGTH (METERS)	DUPLEX
SC-SC	1	UPDSC-S01
SC-SC	2	UPDSC-S02
SC-SC	3	UPDSC-S03
SC-SC	5	UPDSC-S05
SC-SC	10	UPDSC-S10
LC-LC	1	UPDLC-S01
LC-LC	2	UPDLC-S02
LC-LC	3	UPDLC-S03
LC-LC	5	UPDLC-S05
LC-LC	10	UPDLC-S10
SC-LC	1	UPDCL-S01
SC-LC	2	UPDCL-S02
SC-LC	3	UPDCL-S03
SC-LC	10	UPDCL-S10
ST-ST	1	UPDST-S01
ST-ST	2	UPDST-S02
ST-ST	3	UPDST-S03
ST-ST	10	UPDST-S10
SC-ST	1	UPDCT-S01
SC-ST	2	UPDCT-S02
SC-ST	3	UPDCT-S03
SC-ST	10	UPDCT-S10

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