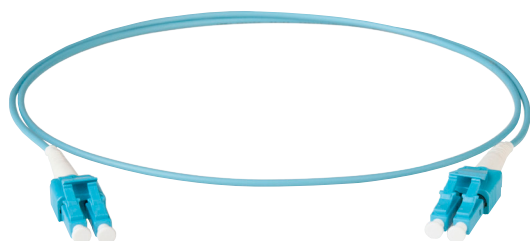


Premium Series Fiber Optic Patch Cords & Pigtails

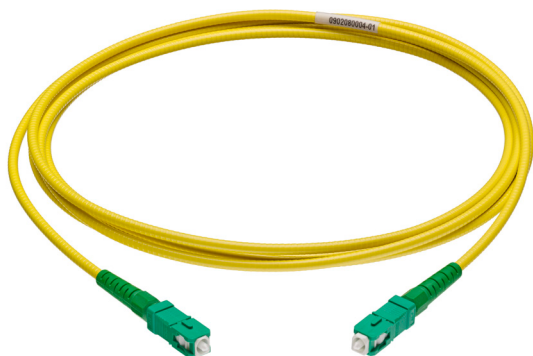
APPLICATION

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 offer higher performance, optional custom labels, and optional 100% interferometer testing.



LC-LC Duplex, 50/125 LOMM,
with reversing polarity uniboot



SC/APC Single-Mode Ruggedized Armor

SPECIFICATION

Multimode patch cords shall meet an optical return loss equal to or better than -25 dB per mated pair, and single mode equal to or better than -55 dB for UPC polish, or -65 dB for APC polish. Insertion loss shall not exceed 0.3 dB per mated pair for multimode and 0.25 dB for single mode. The patch cords shall be compliant with ANSI/TIA-568-C.3.

FEATURES

- Available in simplex, duplex, and pigtail configurations
- Ruggedized Armor available for single mode passive optical LAN drop cables
- Wide variety of connector options
- TIA color-coded connectors
- Cable jacket and boots color-coded for easy ID of fiber
- All fiber options: OM1, OM2, OM3, OM4, OM4+, and OS2
- Advanced polishing and assembly techniques
- Insertion loss and return loss tested to industry-leading standards
- Uniboot option includes reversible polarity feature, allowing polarity changes in the field without tools
- Uniboot LC option is compatible with industry standard connectors and transceivers using the LC interface
- Uniboot design is ideal for high-density applications, and is available on 2.0 mm and legacy 2.9 mm round cables
- Quick-turn service for fast delivery
- Custom labeling options
- Premium Series cords include a Limited Lifetime Warranty
- Pigtails and patch cords can be custom configured through the make-to-order program

DESIGN CONSIDERATIONS

- Offered in SC, ST, FC, LC, MU, or hybrid options
- All connectors have precision pre-radiused zirconia ferrules
- ST and FC connectors have metal bodies
- Corning glass fiber is standard
- Duplex clips included with duplex configurations
- Bend-insensitive glass
- Single-mode UPC and APC available
- Armor (single mode only) for protection in high-traffic or industrial environments

STANDARDS COMPLIANCE

All patch cords are compliant with ANSI/TIA-568-C.3, ISO/IEC 11801, and International IEC-61754-7

PHYSICAL SPECIFICATIONS

See page two

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

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

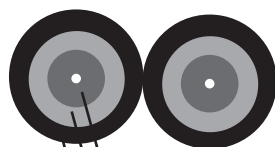
PRODUCT SPECIFICATIONS

Premium Series Fiber Optic Patch Cords & Pigtails

LEVITON

Physical Specifications

Cable Type	Fiber Count	Nominal Diameter	Weight			Tension		Bending Radius		Temperature Range	
			Riser	Plenum	LSZH	LBS (N)		Inches (CM)			
		Inches (mm)	LBS/ 1000FT (kg/km)	LBS/ 1000FT (kg/km)	LBS/ 1000FT (kg/km)	Installation	Long Term	Installation	Long Term	Operating/ Installation	Storage
Zip Cord	2	0.11 x 0.22 (2.9 x 6.0)	10 (15)	12 (18)	10 (15)	239 (1063)	119 (529)	2.0 (5.0)	1.2 (3.0)	PLENUM 0° C to +70° C RISER/LSZH -20° C to +70° C	-40° C to +75° C
Mini Zip Cord	2	0.08 x 0.16 (2.0 x 4.0)	5 (8)	7 (10)	5 (8)	95 (423)	48 (213)	2.0 (5.0)	1.2 (3.0)		
Mini Round	2	0.08 x (2.0)	3 (5)	5 (7)	-	22 (100)	7 (30)	1.2 (3.0)	0.78 (2.0)		
Armor	2	.146 (3.7)	40	-	-	44	20	2.0 (5.0)	1.2 (3.0)	-20° C to +75° C	-20° C to +75° C
PON Drop Cable	2	.235 (6.0)	-	26 (38)	-	300 (1335)	90 (400)	3.5 (9)	2.4 (6)	-40° C to +75° C	-40° C to +80° C



tight-buffered fiber (900 μm buffer)
aramid yarn
outer jacket



250 μm colored fiber
aramid yarn
outer jacket



tight-buffered fiber (900 μm buffer)
inner tube
aramid yarn
outer jacket



tight-buffered fiber (900 μm buffer)
aramid yarn
armor
outer jacket

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	100GbE
Single-mode (OS2)	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
50/125 μm LO (10G-550m) MM (OM4)	3.0	1.0	N/A	N/A	4,700 ¹	500 ²		1,040/600 @ 850/1300nm	550/300 @ 850/1300nm	150 @ 850 nm	150 @ 850nm
50/125 μm LO (10G-600m) MM (OM4+)	3.0	1.0	N/A	N/A	4,900 ¹	500 ²		1,210/600 @ 850/1300nm	600 ³ /300 @ 850/1300nm	300 ³ @ 850 nm	300 ³ @ 850nm

¹ The effective modal bandwidth is determined based on an overfill launch (OFL) per ANSI/TIA-455-204, except on laser-optimized fiber types.

² 10GbE transmission @ 1,300 nm only applies to 10GBASE-LX4 (CWDM).

³ Specified maximum length exceeds TIA/IEEE limits. Stated specifications are determined by the optical performance of the system.

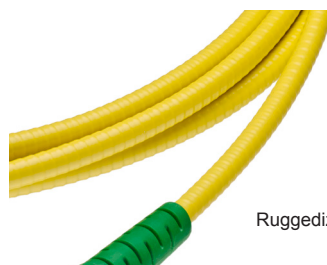
PRODUCT SPECIFICATIONS

Premium Series Fiber Optic Patch Cords & Pigtails

LEVITON

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 (OM3, OM4) Violet (OM4+)
Connectors and adapters	
Single-mode	Blue
Single-mode, APC (angle polishing)	Green
Multimode (62.5/125 µm)	Beige
Multimode (50/125 µm)	Black
Laser optimized multimode (50/125 µm)	Aqua
Boots (Polarity defined by the following color scheme)	
Single-Mode	Yellow and White
Multimode	Black and Red Aqua and White (TIA)
Multimode (uniboot)	White

PREMIUM SERIES		
	Multimode	Single-mode
Insertion Loss	0.3 dB Max	0.25 dB Max
Return Loss	>-25 dB	>-55 dB (UPC), >-65 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 / 89N	>20lbs / 89N
Rohs	Yes	Yes



Ruggedized Armor Cable

Make to order!

PREMIUM SERIES FIBER OPTIC PATCH CORD & PIGTAIL OPTIONS

ASSEMBLY TYPE	FIBER TYPE	CABLE RATING	CABLE TYPE	FIRST END TERMINATION	SECOND END TERMINATION	POLARITY
- Fiber Patch Cord - Pigtail	- OM1 - OM2 - OM3 - OM4 (aqua) - OM4 + (violet) - OS2	- Riser - Plenum - LSZH 900 µm - Armor	- Simplex 1.6 mm - Simplex 3 mm - Duplex 1.6 mm - Duplex 3 mm - Round 2 Fiber 2 mm - Round 2 Fiber 2.9 mm 900 µm Buffered Fiber (pigtailed) 3.7mm (Armor) 6.0mm (Drop Cable)	- ST - SC - LC - FC - SC/APC - LC/APC - FC/APC - MU - LC (uniboot)	- ST - SC - LC - FC - SC/APC - LC/APC - FC/APC - MU - LC (uniboot) - Pigtail	- A-B (standard) - A-A



For assistance customizing your trunk cables, please visit leviton.com/configurator or call Tech Support at 800.824.3005.

PART NUMBERS — Duplex Patch Cords

Description	Part No.
LC-LC 50/125 µm LOMM (OM4)	4LDLC-Mxx
SC-LC 50/125 µm LOMM (OM4)	4LDCL-Mxx
SC-SC 50/125 µm LOMM (OM4)	4LDSC-Mxx
LC-LC 50/125 µm LOMM (OM3)	3LDLC-Mxx
SC-LC 50/125 µm LOMM (OM3)	3LDCL-Mxx
SC-SC 50/125 µm LOMM (OM3)	3LDSC-Mxx
LC-LC 9/125 µm (OS2)	U2DLC-Sxx
SC-LC 9/125 µm (OS2)	U2DCL-Sxx
SC-SC 9/125 µm (OS2)	U2DSC-Sxx

PART NUMBERS — Pigtailed

Description	Part No.
LC 50/125 µm LOMM (OM4)	4LPLC-Mxx
SC 50/125 µm LOMM (OM4)	4LPSC-Mxx
LC 50/125 µm LOMM (OM3)	3LPLC-Mxx
SC 50/125 µm LOMM (OM3)	3LPSC-Mxx
LC 9/125 µm (OS2)	U2PLC-Sxx
SC 9/125 µm (OS2)	U2PSC-Sxx

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