

## Single-mode Fiber Optic Cable Assemblies

### APPLICATION

Single-mode Fiber Optic Cable Assemblies (patch cords) are designed to patch and connect fiber cabling systems.

### STANDARDS COMPLIANCE

Compliant with TIA/EIA-568-B.3

### PHYSICAL SPECIFICATIONS

Lengths:

1, 2, 3, 5, and 10 meters (Custom lengths available)

Dimensions:

LC built on 1.6mm cable

SC, ST, and FC built on 3.0mm cable

Cable Type & Color:

Single-mode OFNR yellow fiber optic cable

Polish Type:

Ultra Physical Contact (UPC), and Angle Physical Contact (APC)

Custom options available

### DESIGN CONSIDERATIONS

- Standard or hybrid connector styles
- Insertion loss guaranteed to be less than .5dB at 1310nm and 1550nm per mated pair, typical insertion loss .3 dB
- All connectors have precision pre-radiused zirconia ferrules
- ST and FC connectors have metal bodies
- Return loss for UPC polish greater than 55dB, typical 57dB
- Return loss for APC polish greater than 65dB, typical 67dB
- Corning glass fiber is standard

### WARRANTY INFORMATION

For a copy of Leviton product warranties, log on to [www.levitonvoicedata.com/warranty](http://www.levitonvoicedata.com/warranty).



### TYPICAL SPECIFICATION

The patch cords shall meet an optical return loss equal to or better than 55dB for UPC polish, or 65dB for APC polish. The fiber optic cable assembly insertion loss shall average .3dB, but not exceed .5dB at 1310nm and 1550nm per mated pair. The fiber optic cable assembly shall be OFNR, yellow fiber optic cable. The cords shall be available in 1, 2, 3, 5 and 10 meter lengths. They shall be compliant with TIA/EIA-568-B.3.

### ELECTRONIC FILES

For CAD files, Typical Specs, or Dimensional Line Art (.DXF, .DWG, MS-DOS.eps or .TXT), log on to [www.levitonvoicedata.com](http://www.levitonvoicedata.com).

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Part Numbers  
UPSXX-SXX  
UPDXX-SXX  
APSXX-SXX

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## Standard Part Numbers - Single-mode Fiber Optic Cable Assemblies

UPC POLISH SINGLE-MODE STANDARD			UPC POLISH SINGLE-MODE HYBRID		
DESCRIPTION	SIMPLEX	DUPLEX	DESCRIPTION	SIMPLEX	DUPLEX
SC to SC	UPSSC-S**	UPDSC-S**	SC to ST	UPSCT-S**	UPDCT-S**
ST to ST	UPSST-S**	UPDST-S**	SC to LC	UPSCL-S**	UPDCL-S**
LC to LC	UPSLC-S**	UPDLC-S**			
FC to FC	UPSFC-S**	UPDFC-S**			
APC POLISH SINGLE-MODE STANDARD			APC POLISH SINGLE-MODE HYBRID		
SC to SC	APSSC-S**		SC to FC	APSCF-S**	
FC to FC	APSFC-S**				

\*\* = Length - 1 meter (01), 2 meters (02), 3 meters (03), 5 meters (05), or 10 meters (10).

## Custom Configuration Chart - Single-mode Fiber Optic Cable Assemblies

	FIBER TYPE	CABLE TYPE	FIBER COUNT	FIRST END TERMINATION	SECOND END TERMINATION	LENGTH (METERS)
FJ	X	X	XXX	X	X	XXX
	A = SM - ITU G-652	E = Simplex (Riser-rated)	001	G = ST/UPC SM	G = ST/UPC SM	001 - 999
	X = Other	F = Duplex (Riser-rated)	002	H = FC/UPC SM	H = FC/UPC SM	
		G = Simplex (Plenum-rated)	XXX = Other	J = SC/UPC SM	J = SC/UPC SM	
		H = Duplex (Plenum-rated)		K = LC/UPC SM	K = LC/UPC SM	
		X = Other		M = FC/APC SM	M = FC/APC SM	
				N = SC/APC SM	N = SC/APC SM	
				R = LC/APC SM	R = LC/APC SM	
				V = MT-RJ SM	V = MT-RJ SM	
				X = Other	X = Other	

Note: For LC and MT-RJ connectors, cable type is 1.6mm simplex or duplex unless otherwise specified. For all other connectors cable type is 3mm. Fiber jumpers have straight polarity unless otherwise specified.

Please call for Custom Configuration price quotes and lead times.



For Technical Support Call 1-425-485-4288; in USA call 1-800-824-3005.  
Spec sheets and updates are also available at [www.levitonvoicedata.com](http://www.levitonvoicedata.com).

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