

# Patchcords & Pigtails



## Features & Benefits

- Available with all fiber optic connector types- SC, LC, FC, ST, E2000
- IEC, EIA/TIA and GR-326-CORE compliant
- Simplex, Duplex and Flat Duplex design
- 900um, 2.0mm and 2.8mm cable diameter
- Single-mode (APC/UPC) and multi-mode (PC) versions
- High-quality ceramic ferrules, housings and dust cap
- LSZH, Riser and PVC versions
- Low insertion loss and high return loss
- Individual test results and traceability number
- Mating Durability: 1000 cycles; <0.2 dB change
- Customized upon request



## Overview

PPC offers high-performance patchcords for use in all types of fiber optic networks. The PPC patchcords are manufactured using a state-of-the-art controlled manufacturing process to operate over the full range of single-mode wavelengths. PPC patchcords are terminated with high-quality connectors, which provide low insertion loss and high return loss. Each patchcord is individually tested and supplied with test certificates. The unique serial number provides traceability of every single product. They're available in all types of single-mode fiber types.

## Technical Data

### Optical Data

Specification		Value		
		Premium	Standard	Lite
Connector Insertion Loss		0.2dB	0.3dB	0.5dB
Connector Return Loss (SM)	APC	≥65dB	≥60dB	≥60dB
	UPC	≥55dB	≥50dB	≥50dB
	PC	≥50dB	≥50dB	≥50dB
Connector Return Loss (MM)	PC	≥20dB	≥20dB	Not Applicable
Endface Inspection		100%	100%	Sampling
Endface Geometry Inspection		100%	Sampling	Not Applicable
Fiber type		OS2, G657A1, G657A2, G657B2, G657B3, OM1, OM2, OM3, OM4		

### Environmental Data

Specification		Value		
		Premium	Standard	Lite
Operating temperature		-10 °C to 75 °C (14 °F to 167 °F)	10 °C to 70 °C (14 °F to 158 °F)	-10 °C to 50 °C ( 14 °F to 122 °F)
Free of halogen		Yes (when LSZH cable is specified)		
2011/65/EC RoHS		Fully compliant		

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## Technical Drawing

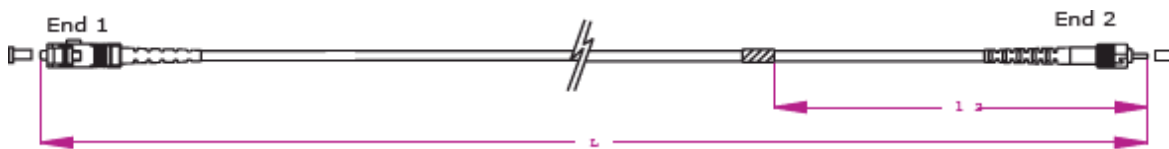


Fig. 1: Simplex patchcord schematic



Fig. 2: Duplex patchcord schematic

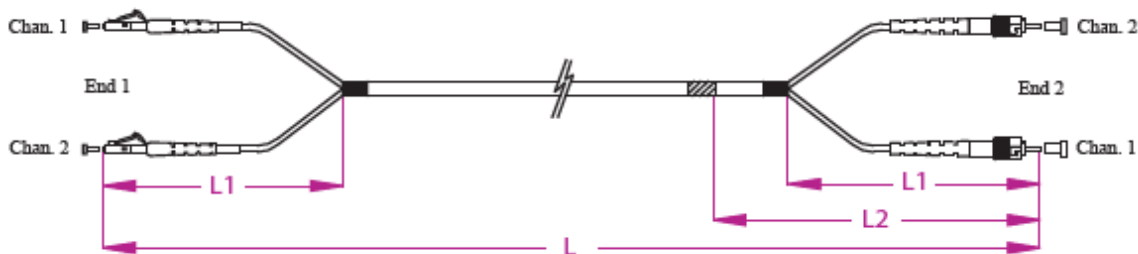


Fig. 3: Flat Duplex Patchcord Schematic

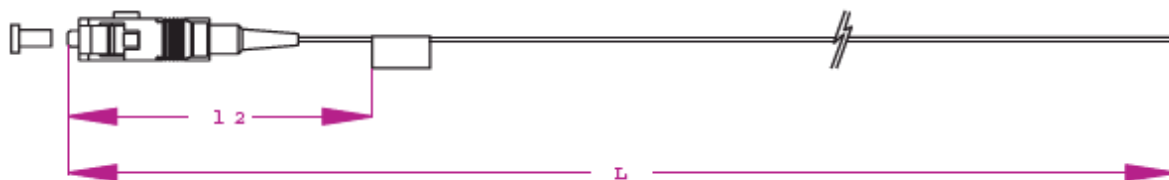


Fig. 4: Pigtail schematic

# Patchcords & Pigtails



## Ordering Information

P S 1 A 1 A 4 3 A 0 0 5 0 L 1 P  
 1 2 3 4 5 6 7 8 9-12 13 14 15

### 1 CABLE TYPE

S = SIMPLEX  
 D = DUPLEX  
 U = UNICABLE  
 T = TIGHT BUFFER  
 E = EASY STRIP  
 L = LOOSE TUBE  
 F = DUALAN/FLAT DUPLEX

### 2 CONNECTOR 1

1 = SC  
 2 = LC  
 3 = FC  
 4 = ST  
 5 = E-2000  
 6 = MU  
 7 = QUIKPUSH®  
 8 = UNIBOOT LC

### 3 POLISH TYPE

A = APC  
 U = UPC  
 P = PC

### 4 CONNECTOR 2

1 = SC  
 2 = LC  
 3 = FC  
 4 = ST  
 5 = E-2000  
 6 = MU  
 7 = QUIKPUSH  
 8 = UNIBOOT LC  
 BLANK = NO CONNECTOR

### 5 POLISH TYPE

A = APC  
 U = UPC  
 C = PC  
 BLANK = NO CONNECTOR

### 6 CABLE DIAMETER

1 = 0.250 MM  
 2 = 0.600 MM  
 3 = 0.900 MM  
 4 = 1.2 MM  
 5 = 1.6MM  
 6 = 2.0 MM  
 7 = 3.0MM

### 7 FIBER TYPE

1 = OM1  
 2 = OM2  
 3 = OM3  
 4 = OM4  
 5 = OM5  
 S = 652D  
 A = G 657A1  
 N = G 657A2  
 B = G 657B3  
 G = G 655

### 8 COLOR

Y = YELLOW  
 O = ORANGE  
 A = AQUA  
 B = BLACK  
 R = RED  
 L = LIME GREEN  
 G = GREEN  
 W = WHITE  
 U = BLUE  
 H = HEATHER VIOLET  
 S = SLATE/GREY

### 9-12 LENGTH

0005 = 0.5 M  
 0050 = 5 M  
 0500 = 50 M  
 5000 = 500 M

### 13 MATERIAL

L = LSZH  
 R = RISER (OFNR)  
 V = PVC  
 P = PLENUM

### 14 BOOT OPTION

1 = STANDARD STRAIGHT BOOT  
 2 = STRAIGHT SHORT BOOT  
 3 = ANGLED BOOT  
 4 = MINI BOOT

### 15 CATEGORY

P = PREMIUM  
 S = STANDARD  
 L = LITE

T,E & L APPLICABLE ONLY FOR 900UM BUFFER