ÖPLINX
innovative optical technology

Fibre Optic Patch Cord Assembly Specifications

Specifications subject to change without prior notice

OPLINX New Zealand provides a broad selection of pre-terminated single and multifibre cable for your special patching need. Pre-terminated multifibre cable is ideal for saving the splicing space and instant installation of network. Distribution cable, breakout cable, outdoor cable and ribbon cable are available. Pulling eye at each ends is optional.

Our production line is equipped with state of the art manufacturing facilities as well as sophisticated testing equipment. Our connectors feature durable construction to ensure reliable mating time after time. Only premium grade zirconia ferrules are used in our connectors. They feature ultra low concentricity; this ensures the finished patchcords have consistently the lowest optical loss when mated with other connectors.

Together with our stringent quality management, we guarantee our patchcords meet or exceed industrial standards both optically and mechanically, to ensure your piece of mind.

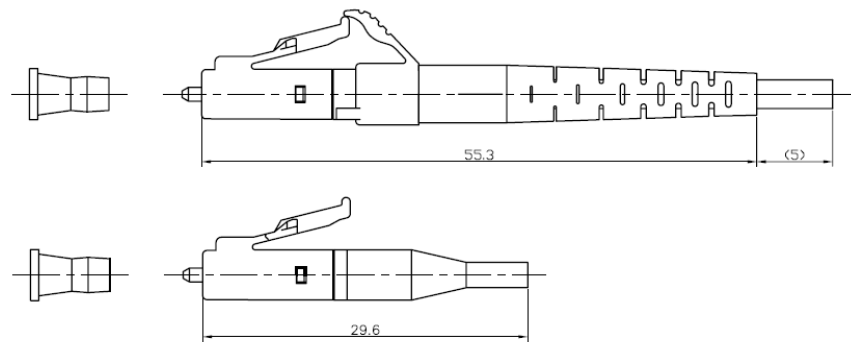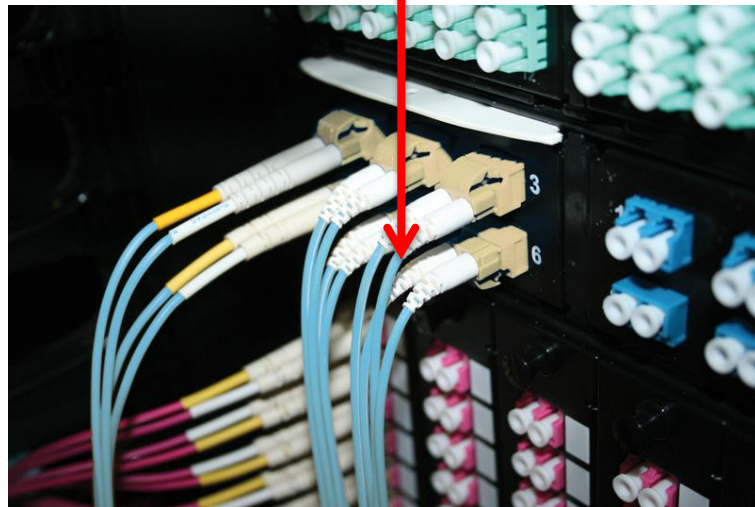| Model	Standard Connector[i]		
Connector Type[ii]	Singlemode		Multimode
	UPC	APC	PC
Insertion loss (dB)	< 0.25		< 0.3
Return loss (dB)	> 50	> 65	> 25
Core / Cladding size	9/125µm		50/125µm or
			62.5/125µm
Jacket type	Low Smoke Zero Halogen (LSZH)		
Jacket Diameter	900µm, 2mm or 3mm		
Operating Temperature	-40 ~ +85 ℃		
Optional LSZH Patchcord Fire Protection Performances			
Flame retardant	Fire retardant	Low smoke opacity	Halogen free
	IEC 60332-3	IEC 1034-1/2	IEC 60754-1/2

Features

- IEC 61300-3-35
- Low insertion loss with consistent performance
- 100% tested on IL and RL
- Indoor distribution cable, breakout cable, outdoor armoured breakout cable and ribbon cable
- Fanout 900um, 2.0mm and 3.0mm tubing
- Telcordia GR-326 compatible
- OS1, OS2, G657A1, G657A2, OM1(62.5/125), OM2(50/125), OM3 and OM4 fibres available
- Zirconia ferrule with high concentricity
- Cable outer jacket available in Riser (OFNR) and Low Smoke Zero Halogen (LSZH), Plenum (OFNP) Fast and trustful product delivery system.

Short Boots Diagram

**OS1 / OS2
LC and SC**

**Saving
25mm**

OPLINX's Short Boots

55.3

(5)

29.6

OPLINX PIGTAILS

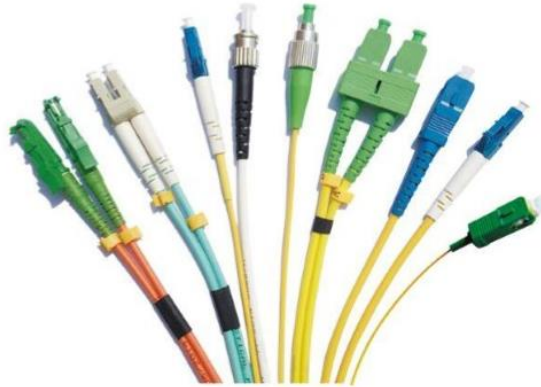![OPLINX logo] innovative optical technology

Example Codes
OPX-S7A-LU-XX -015-12PK
OPX-M3-LC-XX-12PK

2 Features

❖ Low insertion loss and high return loss;

❖ Good repeatability & interchangeability;

❖ PC, UPC, APC polishing; FC, SC, ST, LC, MU connector;

❖ Suitable for high-speed, high-capacity optical fiber transmission system;

❖ Provide single mode/ multimode patch cord and pigtails;

❖ Fiber diameter: Φ0.9mm, Φ2.0mm Φ3.0mm;

❖ Length/Type: according to customers' demands.

3. Application

➢ Optical fiber communications system;

➢ Optical fiber access networks;

➢ Optical fiber CATV;

➢ Optical fiber test equipments;

➢ Optical fiber data communication;

4.1 Technical parameters

No.	Item	Unit	Single Mode			Multi Mode
1	Insertion loss	dB	≤0.3			≤0.3
2	Return loss	dB	PC	UPC	APC	/
			≥45	≥50	≥60	≥35
3	Repeatability	dB	0.1			
4	Working Times	Times	≥1000			
5	Operating Temperature	℃	-40~+85			
6	Optical Cable Diameter	mm	Φ0.9, Φ2.0, Φ3.0			

OPLINX ITEM: 12-Color Pigtail
SC/UPC OM3 50/125 0.9mm 1.5M LSZH

	IL (dB)	RL (dB)
Blue	0.04	28.6
Orange	0.09	28.0
Green	0.23	28.0
Brown	0.04	25.4
Slate	0.09	29.3
White	0.10	29.4
Red	0.09	25.4
Black	0.12	25.2
Yellow	0.04	25.8
Violet	0.09	26.7
Pink	0.16	29.3
Aqua	0.05	27.8

P/N: OPX-M3-SC-XX-12PK
S/N:20092600091

OPLINX ITEM: 12-Color Pigtail
LC/UPC 9/125 SM G657A2 1.5M LSZH

	IL (dB)	RL (dB)
Blue	0.12	53.3
Orange	0.26	53.8
Green	0.16	53.2
Brown	0.12	50.4
Slate	0.26	54.7
White	0.13	51.9
Red	0.26	50.4
Black	0.12	51.3
Yellow	0.12	51.3
Violet	0.26	53.5
Pink	0.26	51.5
Aqua	0.11	53.5

P/N: OPX-S7A-LU-XX-015-12
S/N:2009260363