

Introduction

Fiber Patch Cords are used to connect one device to another for signal transmission. The fiber patch cord is a connector that is installed at both ends for the device, connectorized cable assemblies are cord-type fiber optical cables terminated with connectors at both ends. The type of cable fiber and connector and the length of the patch cords can be freely specified, according to the structure of the connector, it can be divided into FC, SC, ST, LC, MPO and the like, also available in simplex or duplex cables. The purpose of fiber optic patch cord is to connect one or more devices or equipment in a fiber optic network. There are two major application areas of fiber optic patch cables which are network station to outlet and fiber optic patch panels or optical cross connect distribution center



Application

Fiber Optic Patch Cord are necessary for almost all networks. Their ability to carry massive volumes of data at high speeds makes them ideal for the backbone of most networks. They connect everything from data centers to any device within the network. Fiber patch cables have become an essential component of enterprise data networks. due to the variety of fiber patch cables installation requirements, a fiber optic patch cord has fiber optic connectors such SC, ST, LC, FC, etc. and more at either end.

- Ideal for FTTH/FTTX network
- Optical communication networks
- LAN fiber networks
- WAN fiber networks

Operation Features

Fiber Optic Patch Cord Connectorized cable assemblies are cord-type fiber optical cables terminated with connectors at both ends. The type of cable fiber and connector and the length of the patch cords can be freely specified by the customer









- Fiber type is a Single mode fiber G652D, G657A1 and G657A2, Multimode fiber OM1, OM2, OM3 and OM4 are available
- Fiber Patch Cord length 1, 2, 3meter other length are available
- Available for simplex, duplex and multi-cores
- Low insertion loss and high return loss, high dense connection, easy for operation
- 100% factory transmission tested per ANSI/TIA-568-C.3
- IEC 874-1 Generic specification for fiber optic connectors and cables
- ANSI/TIA-568-C.3, ISO/IEC 11801 2nd Ed., CENELEC EN 50173
- Cable flame resistant rate IEC60332-3 standard
- High reliability
- Customer lengths and connectors are available upon request

Mechanical Performance Test compliance:




- Fiber Mode: Single mode or Multi mode
- Fiber Cable: Simplex or Duplex
- Connector type: SC, FC, ST, LC, MTRJ, MPO etc.
- Cable Diameter: 2.0mm or 3.0mm
- Polish Interface Type: PC, UPC, APC
- Outer Jacket: PVC or LSZH or Armored etc.
- Jacket Color: SM "Yellow", OM2 "Orange", OM3 :Aqua", OM4 "Pink"
- Operation Temperature: -20 to +70°C
- Storage Temperature: -40 to +70°C

Fiber Patch Cord	Single Mode	Multi-Mode
Insertion loss	0.3 dB (Max)	
Return loss	≤-50 dB (UPC) ≤-60 dB (APC)	≥20 dB
Operating Temperature	- 40 to +80 °C	
Length	1mt, 3mt, 5mt	
Color	Yellow	Orange
Polishing Type	PC, UPC or APC	PC or UPC
Connectors Type	SC, FC, ST, LC, MU, MTRJ, E2000, MPO etc.	
Cable Diameter	3.0mm or 2.4mm or 2.0mm etc.	
Cable Material	PVC or LSZH jacket	
End face Radius	10mm<R<25mm (PC) 5mm<R<12mm (APC)	

Types Of Fiber Patch cords

			
SC Patch cord	FC Patch cord	LC Patch cord	ST Patch cord
			
MU Patch cord	MTRJ Patch cord	E2000 Patch cord	MPO Patch cord
All types of connectors and cables are available with customized configuration			

Types Of Breakout Fiber Patch cords

		
SC-SC SM Breakout Distribution Cable	SC/APC-SC/UPC SM Breakout Cable	LC-LC OM3 Breakout Distribution Cable
All types of connectors and cables are available with customized configuration		

Ordering Information

Product Code	Description
LN-LW-PC-3.0-xxx-xxx-SM-SX-xx	Fiber Patch Cords Simplex Singlemode 3.0 mm
LN-LW-PC-3.0-xxx-xxx-SM-DX-xx	Fiber Patch Cords Duplex Singlemode 3.0 mm
LN-LW-PC-3.0-xxx-xxx-MM-SX-xx-OMx	Fiber Patch Cords Simplex Multimode 3.0 mm
LN-LW-PC-3.0-xxx-xxx-MM-DX-xx-OMx	Fiber Patch Cords Duplex Multimode 3.0 mm
LN-LW-PC-3.0-xxx-xxx-SM-BO12-xx	Fiber Patch Cords Breakout 12 core Distribution Cable Singlemode 3.0 mm
LN-LW-PC-3.0-xxx-xxx-MM-BO12-xx	Fiber Patch Cords Breakout 12 core Distribution Cable Multimode 3.0 mm

*** Note:**

xxx: For the connector types such as "SC, SCA, LC, LCA, FC, etc."

xx: For the patch cord length per meter such as "1, 3, 5, etc."

OMx: For the Multimode patch cord type such as "OM2, OM3, OM4, etc."

Patch cord different diameters are available

Notice: The data in this document are only reference and will be changed without any notice. This specification is intended as a guide only.