

## MT-1032-LC LC Duplex Fiber Optic Adapter Single-mode and Multi-mode

### Quick Detail:

1. Connector Type: LC adapter, RoHS compliant, 100% Optical Test
2. S: Simplex, D: Duplex, 4: 4 core.
3. Structure: Metal and plastic adapter
5. Sleeve: Zirconia, Bronze
6. Polishing Grade: PC, UPC, APC
7. Fiber type: SM(9/125  $\mu\text{m}$ ), MM(62.5/125  $\mu\text{m}$ ).
8. Weight: Duplex(3g/pcs )
9. Pack: 50pcs/plate (22\*2\*14.5cm)

### Description:

#### Fiber Optic LC Adapter

Melontel has a complete series of fiber optics interconnect products include pigtail, adapter, patch cords, using for CATV, telecommunication networks, test equipment, metro and local area networks. Optical fiber pigtail is something like a half patch cord to make connection between optical fiber and fiber adapters or connection between transmission equipment and ODF.

The pigtail with one active optical adapter while the patch cord with two active connectors. There are many different interfaces which require different adapters. They all with low insertion loss and back reflection loss. Production under

FC (short for Ferrule connector), with a metal sleeve to strengthen its external side, the fastening mean is turnbuckle. The advantage for FC connector is easy function, operation and manufacture. Mainly used on patch panels.

SC the structure of pin and plastic housing is same with FC, the fastening mean is plug-in latch, no need to revolve. The advantage for ST connector is low cost, easy operation with small insertion lost and high compressive strength.

ST With fastening mean is plug-in type, the core of ST is outside while the core of SC is inside. For connection of 10Base-F is usually with ST but for 100Base-FX is usually with SC.

LC With RJ module function for easy operation, the size is a half of SC type.

MT-RJ Its latch-up structure is same with RJ-45 type Lan connectors. In order to connect to the optical transceiver facilitate, the end face is desired as double core optical fiber.

### Applications:

- Fast Ethernet, Data Communication LAN and WAN
- High speed Enterprise servers
- Multiplexers, switches and routers
- Optical Access and ATM Networks Equipment

Optical Transport and Telecommunications, FTTH, FTTD, FTTX  
Switching Equipment

**Specifications:**

Type	Single-mode/PC	Single-mode/APC	Multimode/PC
Insertion Loss	≤0.2 dB	≤0.2 dB	≤0.3dB
Plug and unplug force(g/f)	200-600		
Durability plug and unplug	1000times		
Operation Temperature	-40°C to +75°C		
Material	ABS/PBT, Ceramic (Zirconia),Phosphor Bronze alignment sleeves		

