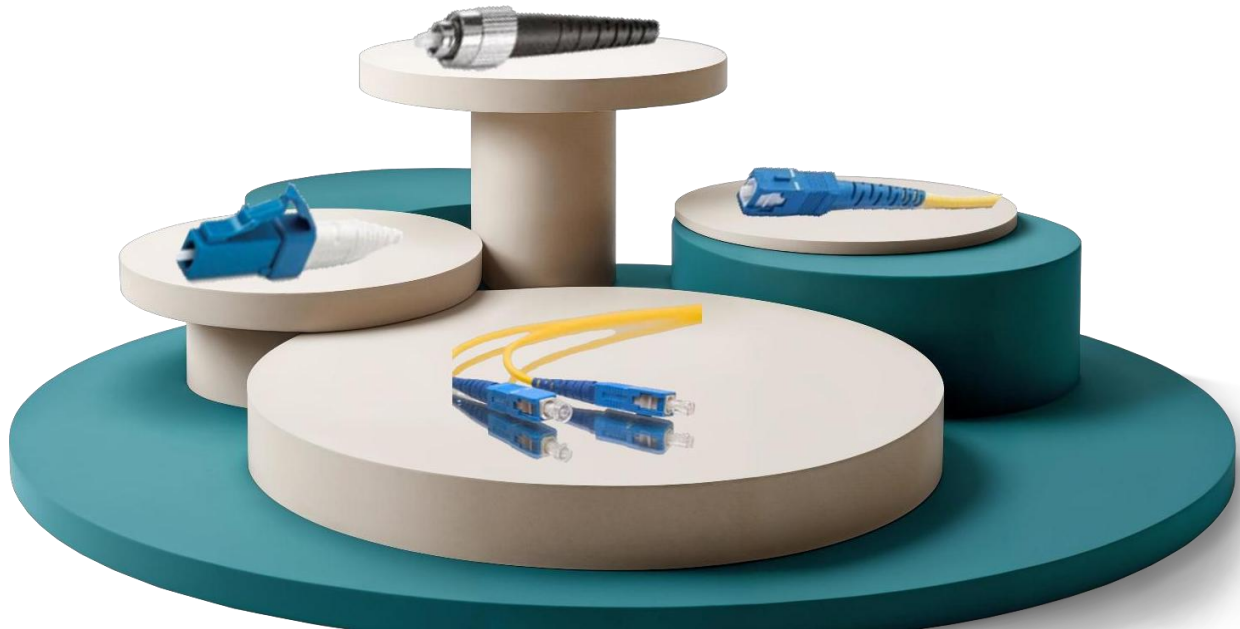


Fiber Optic Patch Cords



Overview

ANDA Telecom Pvt. Ltd. is an ISO 9001:2000 certified company specializing in high-quality fiber optic solutions. Our fiber optic patch cords and pigtails are designed for low insertion loss and high return loss, making them ideal for communication networks and FTTX applications.

Product Overview

ANDA Telecom offers fiber optic patch cords and pigtails with the following specifications, ensuring high performance and reliability for various connectivity needs.

Ordering Information

- **Terminations:** SC, FC, LC, ST, E-2000
- **Ferrule Interface Type:** PC, UPC, APC
- **Fiber Cores:** Simplex, Duplex
- **Fiber Type:**
 - Single mode: G.652, G.657
 - Multimode: 50/125, 62.5/125
- **Fiber Diameter (mm):** 0.9, 2.0, 3.0
- **Fiber Length:** User-defined

Anda Telecom Pvt. Ltd.

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Key Features

- **Low Insertion Loss:** Ensures minimal signal degradation.
- **High Return Loss:** Enhances signal integrity.
- **Applications:** Widely used in communication networks and FTTX applications.

Patch Cord Variants

ANDA Telecom provides a range of patch cord configurations to meet diverse requirements:

1. ATPC SC-LC

- **Description:** Can be arranged in rows with no space between adapters, providing high- density termination.
- **Locking Mechanism:** Push-pull locking for high tensile strength and ease of use.

2. ATPC FC-FC-5

- **Description:** Features stable and reliable contact due to thread locking.
- **Applications:** Commonly used with test equipment.

3. ATPC LC-LC

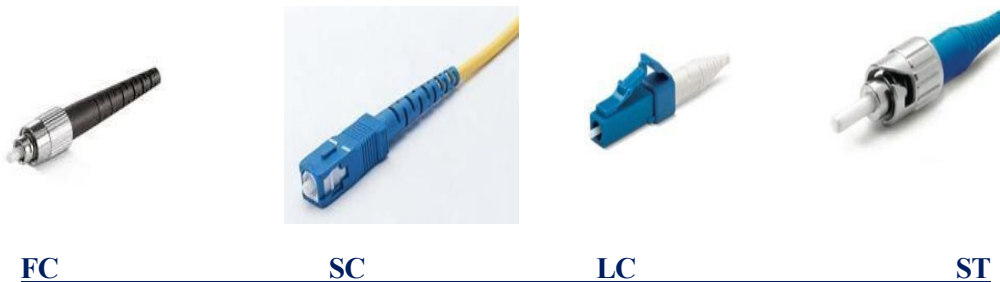
- **Description:** Utilizes a mini-ferrule, half the size of an SC connector, for greater termination density.
- **Locking Mechanism:** Push-action locking for high tensile strength and ease of use.
- **Additional Feature:** Duplex patch cords include a snap-on clip for easy repositioning.

4. ATPC ST-ST

- **Description:** Equipped with a bayonet locking mechanism for quick and easy connections.

5. ATPC E2000-

- **Description:** Supports high-density termination with no space between adapters.
- **Locking Mechanism:** Push-pull locking for high tensile strength and ease of use.
- **Additional Feature:** Integrated laser and dust protection.



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Single Mode Patch Cords

SPECIFICATIONS TABLE

Parameter	FC Pigtail	SC Pigtail	LC Pigtail
Connector Type	FC (Ferrule Connector)	SC (Square Connector)	LC (Lucent Connector)
Polish Type	UPC, APC	UPC, APC	UPC, APC
Fiber Mode	Single Mode (9/125 μ m), Multimode (50/125 μ m, 62.5/125 μ m)	Single Mode (9/125 μ m), Multimode (50/125 μ m, 62.5/125 μ m)	Single Mode (9/125 μ m), Multimode (50/125 μ m, 62.5/125 μ m)
Fiber Grade	ITU-T G.652D, G.657A1/A2	ITU-T G.652D, G.657A1/A2	ITU-T G.652D, G.657A1/A2
Wavelength	SM: 1310/1550 nm, MM: 850/1300 nm	SM: 1310/1550 nm, MM: 850/1300 nm	SM: 1310/1550 nm, MM: 850/1300 nm
Cable Diameter	0.9 mm (standard), 2.0 mm, 3.0 mm (optional)	0.9 mm (standard), 2.0 mm, 3.0 mm (optional)	0.9 mm (standard), 2.0 mm, 3.0 mm (optional)
Insertion Loss	≤ 0.2 dB	≤ 0.2 dB	≤ 0.2 dB
Return Loss	UPC: ≥ 50 dB, APC: ≥ 60 dB	UPC: ≥ 50 dB, APC: ≥ 60 dB	UPC: ≥ 50 dB, APC: ≥ 60 dB
Durability	> 1000 matings (<0.3db)	> 1000 matings(<0.3db)	> 1000 matings(<0.3db)
Minimum Bend Radius	30 mm (G.652D), 7.5 mm (G.657A2)	30 mm (G.652D), 7.5 mm (G.657A2)	30 mm (G.652D), 7.5 mm (G.657A2)
Jacket Material	LSZH, PVC, OFNR	LSZH, PVC, OFNR	LSZH, PVC, OFNR
Color	SM: Yellow, MM: Orange, OM3/OM4: Aqua/UPS/APC	SM: Yellow, MM: Orange, OM3/OM4: Aqua, UPS/APC	SM: Yellow, MM: Orange, OM3/OM4: Aqua, UPS/APC
Ferrule Diameter	2.5 mm (Ceramic)	2.5 mm (Ceramic)	1.25 mm (Ceramic)
Interchange Ability	≤ 0.2 dB	≤ 0.2 dB	≤ 0.2 dB
Boot Size	0.9	2.0	3.0
Applications	Telecom, Datacom, High-vibration environments	Telecom, Datacom, CATV, FTTx	High-density patching, Datacom, FTTx
Special Features	Armored option for extreme environments	Armored option, easy push-pull connection	Armored option, small form factor for high-density setups
Standard(IEC),TIA/EIA	61754-13/604-4-A	61754-4/604-3	61754-20/6-4-10-A
Operating temperature	-40C to +85C	-40C to +85C	-40C to +85C

ORDERING INFORMATION: -

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