

# Fiber Optic Adapter

---

## Fiber Optic Adapter

### Variants

LC to LC UPC Duplex 0db SC APC to SC APC 0db FC UPC to FC UPC 0db LC to LC APC Duplex 0db SC UPC to LC UPC 0db LC UPC to LC UPC 5db SC UPC to SC UPC 5db SC UPC to SC UPC 0db

### Details

#### Product Overview of Adapter

An SC UPC to LC UPC adapter facilitates the connection between an SC UPC connector and an LC UPC connector, enabling compatibility between devices with these different connector types. Here's an overview of such an adapter:

**Adapter Type:** SC UPC to LC UPC Adapter

**Connector 1:** SC UPC (Subscriber Connector, Ultra Physical Contact)

**Connector 2:** LC UPC (Lucent Connector, Ultra Physical Contact)

**Polish Type:** UPC (Ultra Physical Contact) - This ensures minimal insertion loss and back reflection.

**Housing Material:** Typically made of durable materials like PBT (Polybutylene Terephthalate) and GF (Glass Fiber), providing stability and longevity.

**Insert Material:** Often constructed of ceramic, known for its hardness and resistance to wear, ensuring reliable and stable connections.

**Adapter Housing Color:** Standard color for SC UPC adapters is typically beige, while for LC UPC adapters, it is often blue or aqua. The adapter may combine these colors for easy identification of the two connector types.

**Mounting Type:** Available in various mounting types, such as full flange or slim, to accommodate different installation requirements.

**Clip:** Equipped with stainless steel clips for secure attachment and stability.

#### Temperature Range of Adapter SC UPC to LC UPC:

**Installation and Assembly:** Typically -20 °C to +60 °C

**Operating Temperature:** Typically -40 °C to +75 °C

**Storage Temperature:** Typically -55 °C to +85 °C

**Standards Compliance:** Conforms to industry standards such as GR-326, IEC 61754, ISO/IEC 24764, IEC 61034, and EN 50268. Compliant with IEC 60874 regulations.

**Packing:** Typically packaged individually or in sets, accompanied by product labels for easy identification.

**Ordering Information:** Different variants may be available based on simplex or duplex configurations and specific brand or model names, each with unique part numbers for easy ordering and identification.

Overall, the SC UPC to LC UPC Adapter offers high performance, durability, and compatibility with SC and LC connectors, making it a reliable choice for fiber optic network installations requiring SC to LC connections.