410005	ST Multimode Connector
410008	ST Singlemode Connector

Applications

- Fibre distribution
- LAN and WAN
- FTTx applications
- CATV
- Testing instruments
- Telecommunications systems

Features

- Low insertion loss and back reflection loss
- Ferrule end surface predomed
- High precision alignment
- Nickel plated brass body
- Boots in a variety of colors
- Free-floating ceramic ferrule
- Bayonet style housing for easy termination

Description

- The ST connector is the most popular connector used today. It can be seen in every area of the communications environment, from a telecoms distribution room to a local area network closet the ST has set the standard for optical fibre connectors.
- The Ficocs ST connectors are manufactured using the highest quality components. The connectors exceeds all areas of the standards covering optical fibre connectors.

Standards

- ISO/IEC 11801
- EN 50173
- ANSI/TIA/EIA 568A
- CECC 86115-80
- Bellcore/Telcordia GR-326
- Belcore/Telcordia GR-409-CORE
- EIA/TIA 604-3A
- JIS C5973 F04
- IEC 60874-7
- IEC 60793-2-10 A1a
- IEC 793
- IEC 794-1-E1
- IEC 794-1-E3
- UL1666/901 (UL-cable)
- EIA/TIA 455
- ICEA-596
- ITU-T G.651 or IEC60793-2-10 A1b or ITU-T G.652 (depending on fiber)

Specifications

- **Temperature Cycling (IEC 61300-2-18)**
  -40 to +85°C, 42 cycles
  =0.2dB Change
- **High Temperature (IEC 61300-2-18)**
  75°C for 96 hours
  =0.2dB Change
- **Damp Heat (IEC 61300-2-19)**
  60°C at 95% RH, 96 hours
  =0.2dB Change
- **Vibration (Mated Pair) (IEC 61300-2-1)**
  10-55 Hz, 1.5mm P to P
  < 0.2dB Change
- **Mating Durability (IEC 61300-2-2)**
  1000 mating cycles
  Clean every 25
  < 0.2 dB Change
- **Operating Temperature**
  -40°C to +85°C
- **Intermateability**
  Optically and mechanically compatible with all equivalent connectors.
  Compliant with IEC 61754-2.
- **Optical Performance**

Singlemode

Insertion loss:	Max.	0.3 dB
	Typical	0.2 dB
Return Loss:	UPC	> 50dB
	Typical	55 dB

Multimode

Insertion loss:	Max.	0.5 dB
	Typical	0.25 dB

- **Mechanical**
  Capillary diameter tolerance:
  SM—126 ± 0.5µm
  MM—127 =/- 0.5µm
  Ferrule Diameter:2.5mm ± .001
  Ceramic pre-radiused, PC-end finish for Physical Contact ferrule to ferrule. R 10 to 25mm

  Tensile Strength Cable retention: >50 N
  (2 & 3mm boot versions only)

- **Versions Available:**
  2mm Patch
  3mm Patch
  900 µm
- **Termination Procedures**
  Prep cable end, Epoxy-Crimp-Polish
- **Colours**
  2 & 3 mm Boot, Black, Red, Yellow
  900 µm Boot, Black, Blue, Yellow

Packaging

- Standard packaging: 100pcs bulk packed