

## FC Connector

### Description:

The FC connectors are designed and manufactured according to JIS, IEC, EIA/TIA and ANSI specifications for intermateability and optical performance. The FC connectors are available in both MM and SM versions with PC and APC polishing method.



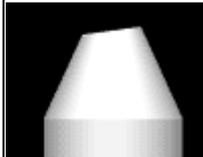
### Features:

- Pull proof
- Meets FC connector standard
- FC/APC available both standards:
- Type R - Methode, Seikoh Giken, JDSU
- Type N - Seiko Instruments
- Pre-radiused ceramic ferrules configured for Ultra, PC and APC polishing
- Pre-assembled option simplifies field termination
- Ferrule assembly has high resolution tuning feature

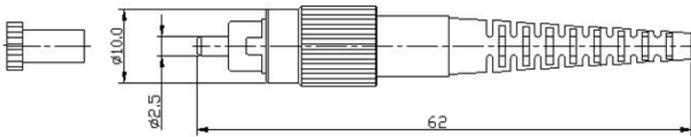
### Specifications:

Insertion loss (IL)	typ. 0.15 dB
Return loss (RL)	> 60 dB for jumper length up to 5 m
Strain relief	200 N
Operating temperature	-40 °C to +80 °C, conditioned by type of cable
Durability	min 1000 cycles
Assembly procedure	glue and polish
Connection	physical contact
Lock mechanism	coupling nut
Standards	JIS 5970, EIA/TIA FOCIS, CENELEC
Material	
Coupling Nut	stainless steel
Rear Body	zinc alloy, nickel plated
Ferrule Material	full ceramic zirconia
Crimp Sleeve	brass, tin plated
Boot and Dust Cover	thermoplastic rubber (flame retardant)

### Typical application of zirconia ferrules

PC - MM	7D	hole Ø 127 µm, dome			
PC - SM	6D	hole Ø 126 µm, dome			
APC	5C	hole Ø 125 µm, cone			
	<b>5A</b>	<b>hole Ø 125 µm, angle</b>	<b>Dome</b>	<b>Cone</b>	<b>Angle</b>

**Dimensions:**



**Key width:**

FC/PC all types: ≤ 2.14 mm

FC/APC type R: 1.97 - 2.02 mm, standard

type N: 2.09 - 2.14 mm, on request

Note: FC/APC connectors delivered according to type R type N - available on request

**Samples:**



FC/PC-SM-BL-20-6D



FC/APC-SM-GR-20-5C



FC/PC-SM-BK-09-6D



FC/PC-SM-BL-3B-6D



FC/PC-SM-RD-3B-6D



FC/PC-SM-BK-3B-6D

**Application:**

- Telecom
- LAN, WAN
- CATV, sensor systems, measuring technique
- Utilities, railways

**Ordering code:**

**FC / (A)PC - XX - XX - XX - XX**

**connector type**

**FC** FC connector

**key width**

**PC** 2.00 mm

**APC** 2.05 mm

**connector style**

**MM** multimode

**SM** singlemode

**boot color**

**BL** blue

**BK** black

**GR** green

**RD** red

**WH** white

**boot type**

**09** fiber Ø 0.9 mm

**3B** cable Ø 3.0 mm

**20** cable Ø 2.0 mm

**Zirconia ferrule type**

**hole (µm)**

**5** 125

**6** 126

**7** 127

**preformed shape**

**D** dome

**C** cone

**A** angle