

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
- Dust cover

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

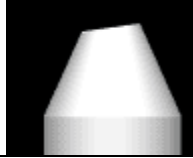
Coupling Nut	stainless steel
Rear Body	zinc alloy, nickel plated
Ferrule Material	full ceramic zirconia
Crimp Sleeve	brass, tin plated
Boot and Dust Cover	thermoplastic rubber (flame retardant)

Applications:

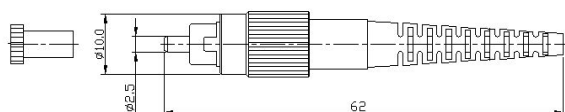
- Telecom
- LAN, WAN
- CATV, sensor systems, measuring technique
- Utilities, railways

Ordering code:

FC / (A)PC - XX - XX - XX - XX											
connector type FC FC connector		boot color BL blue BK black GR green RD red WH white									
key width PC 2.00 mm APC 2.05 mm		Zirconia ferrule type <table><tr><th>hole (μm)</th><th>preformed shape</th></tr><tr><td>5 125</td><td>D dome</td></tr><tr><td>6 126</td><td>C cone</td></tr><tr><td>7 127</td><td>A angle</td></tr></table>		hole (μm)	preformed shape	5 125	D dome	6 126	C cone	7 127	A angle
hole (μm)	preformed shape										
5 125	D dome										
6 126	C cone										
7 127	A angle										
connector style MM multimode SM singlemode		boot type 09 fiber Ø 0.9 mm 3B cable Ø 3.0 mm 20 cable Ø 2.0 mm									

Typical application of zirconia ferrules					
PC - MM	7D	hole Ø 127 μm, dome	 Dome	 Cone	 Angle
PC - SM	6D	hole Ø 126 μm, dome			
APC	5C	hole Ø 125 μm, cone			
	5A	hole Ø 125 μm, angle			

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