

FC Connector

Description:

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



Features:

- Pull proof
- Meets FC connector standard
- Available both standards:
 - APC205 - Methode, Seikoh Giken, JDSU
 - APC215 - Seiko Instruments
- Pre-radiused ceramic ferrules configured for Super, 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	300 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:

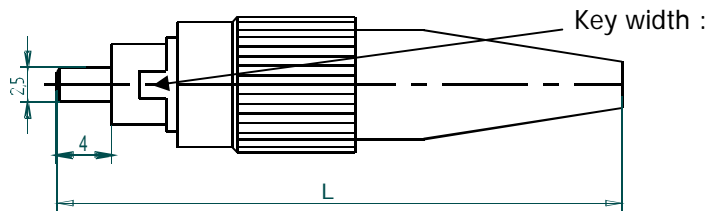
- Telecom
- LAN, WAN
- CATV, sensor systems, measuring technique
- Utilities, railways

Ordering code:

FC / (A)PC - XX - XX - XX - X XX	
connector type FC FC connector	color BL blue BK black GR green RE red WH white
key width PC 2.00 mm APC 2.05 mm	
connector style MM multimode SM singlemode	boot type 09 fiber 3B cable (perforated) 3N cable (NTT type)
ferrule type	
zirconia:	
hole preformed shape	preangled
5 C conical	F flat
6 S step	8 ° degree
7 N not applicated	X ° degree
polymer:	
P1 polymer ferule, hole Ø 1 mm	
metal:	
M25 hole Ø 0.25 mm	
M50 hole Ø 0.50 mm	
M75 hole Ø 0.75 mm	
M1 hole Ø 1 mm	

Example of zirconia ferrules:		APC	5CF, 6CF	hole Ø 125(6) µm, conical, flat
MM	7NF		5C8, 6C8	hole Ø 125(6) µm, conical, 8°
SM	5NF, 6NF		5SF, 6SF	hole Ø 125(6) µm, step, flat

Dimensions:



Key width : FC/PC:
all types 2.00 mm
FC/APC:
standard: 2.05 mm
*) on request: 2.15 mm

L depends on boot type

Samples:

