



## Specification

### FC Grade B Connector

The Grade B FC connectors are according to IEC 61753-1, usually are used for patchcord&pig-tail. And the connectors have many types can be choosed, for example: APC or UPC ferrule, standard or specifical boot...

#### Features

- High precision alignment
- Metal Body
- Low insertion loss(IEC61753-1) and back reflection loss
- ROHS compliant
- TIA604-4&IEC61754-13 compliant

#### Application

- CATV
- Active device termination
- Metro
- Test equipment
- Local Area Networks (LANs)
- Premise installations
- Telecommunication networks
- Data processing networks
- Wide Area Networks (WANs)

#### Standards

All components of/and the final product are designed and tested to conform the requirements of IEC 60874, Bellcore/Telcordia GR-326, EIA/TIA 604-4, IEC61754-13, EIA/TIA 568, IEC61300-2, IEC61300-3, IEC61753-1, EIA/TIA455.



Item	Single mode	Multi mode
Insertion Loss	Typical $\leq 0.12\text{dB}$ , Maximum $\leq 0.25\text{dB}$	Typical $\leq 0.12\text{dB}$ , Maximum $\leq 0.25\text{dB}$
Return Loss	APC $\geq 60\text{dB}$ , PC $\geq 50\text{dB}$	PC $\geq 30\text{dB}$
Durability	$\leq 0.2\text{dB}$ typical change, 1000 matings	$\leq 0.2\text{dB}$ typical change, 1000 matings
Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
Ferrule Hole Sizes	SM: $125.0+0.7/-0\mu\text{m}$ , Concentricity: $\leq 0.5\mu\text{m}$	
	MM: $125.3+1/-0\mu\text{m}$ , Concentricity: $\leq 1.0\mu\text{m}$	

#### Availability

- 0.9/2.0/3.0mm connectors type are available.
- PC or APC are available.



Cone Ferrule

Step Ferrule