

FC ONE-PIECE CONNECTORS

SENKO offers a variety of FC connectors and adapters. The FC/PC connector incorporates a Physical Contact (PC) pre-domed fiber endface that reduces back reflection over a flat endface ferrule. To further reduce unwanted back reflection, SENKO offers the FC/APC connectors and adapters.

The SENKO FC connector is available in both singlemode and multimode versions, and is fully interchangeable with NTT-FC products. Both versions have zirconia ceramic ferrules with pre-radiused PC profile and convex spherical end, or the 8° angle in a step or conical endface for the APC version. All SENKO FC connectors can achieve low optical loss and back reflection* while ensuring maximum repeatability. SENKO offers an FC Tunable Connector with four position tuning for applications requiring precise fiber alignment.

A choice of Telcordia compliant boots are available in a variety of colors to easily distinguish between different applications. An epoxy-free FC XPFit connector is also available for quick field termination.

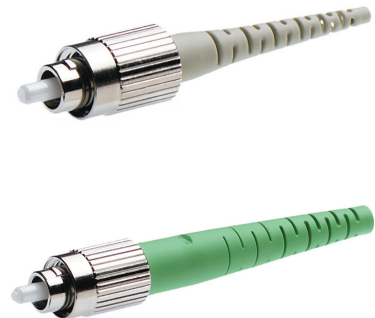
APPLICATIONS

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

* When terminated using SENKO recommended procedures.

FEATURES

- Compliance with Telcordia, ANSI, IEC, TIA/EIA, NTT and JIS specifications*
- Low insertion loss & back reflection*
- One-piece construction & pull-proof design
- Free-floating ceramic ferrule
- Precision anti-rotation key and corrosion resistant body
- UL 94 V-0 boots in a variety of colors
- Telcordia style boots
- Adapters with choice of metal & flange options



FC-PC and FC-APC Connectors

SPECIFICATIONS (FC Connectors)

	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.15dB typical (127µm type)
Return Loss	≥ 55dB typical for SM PC ≥ 65dB typical for SM APC	
Durability	< 0.1dB typical change, 500 matings	< 0.1dB typical change, 500 matings
Operating Temperature	-40°C to +75°C	-40°C to +75°C
Ferrule Hole Sizes	125.5µm +1/-0 (SM) Concentricity: ≤ 1µm 126µm +1/-0 (SM) Concentricity: ≤ 1µm 125µm +1/-0 (SM) Concentricity: ≤ 1µm Custom sizes	127µm (MM) 144µm (MM) 230µm (MM)

Specifications shown above were obtained using SENKO recommended products and procedures.

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Specifications may change without notice.