

FC STANDARD CONNECTOR

UPC/APC



The SUNCONEC FC Standard Connector provides durable and cost-effective connectivity with a threaded coupling mechanism for stable, vibration-resistant mating. Available in both UPC and APC polished versions, it delivers reliable performance and is offered in pre-assembled form or as a field-installable kit for flexible deployment.

Designed to support cable diameters ranging from 900 μm to 3 mm, the connector meets TIA/EIA, IEC, and JIS industry specifications. It features a typical insertion loss of ≤ 0.15 dB, an optimized one-piece design for consistent performance, and comes in multiple boot colors for easy system identification and organization.

Features

- Threaded coupling mechanism
- High mechanical stability
- Precision alignment zirconia ferrules
- Boot options 900 μm to 3 mm
- UPC and APC versions

Applications

- Telecommunications
- Data centers
- Test and measurement equipment
- Industrial applications
- Medical equipment
- Military and aerospace

Key benefits

- ✓ Secure and reliable connection
- ✓ High repeatability
- ✓ Highly stable performance
- ✓ Low IL and RL performance
- ✓ Simple termination and installation
- ✓ Environmental resistance
- ✓ Cost effective solution

Optical Data

	Singlemode	Multimode
	UPC	MM
	Standard	
Typical Insertion Loss (dB)	0.12	0.15
Max. Insertion Loss (dB)	0.30	0.30
Typical Return Loss (dB)	≥55	≥25
Ferrule Diameter (μm)	125.5	127

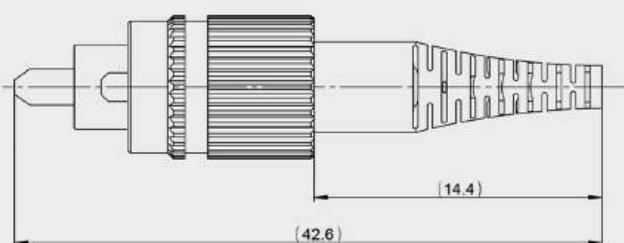
Mechanical Data

	Value
Durability	<0.1dB typical change, 500 matings
Fiber Count	Simplex (1 fiber)
Cable Suitability	900 μm to 3 mm
Ferrule Material	Zirconia

Environmental Data

	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	Yes
REACH Compliance	Yes

Connector Drawing



Note: 1. All dimensions are in mm.
 2. FC - APC 2 mm MINI boot shown, other options are available.
 3. Specifications subject to change without notice.