

F F CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3F6C-3C

Product Feature:

- Connector Type : F Type
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Crimp
- Cable : LMR100/RG174/RG316
- Application : General Purpose/Telecom etc



The **F-Type Female Crimp Connector** for **LMR100, RG174, and RG316 cables** is a precision-engineered **75-ohm** RF component designed for thin, flexible coaxial lines. Its **crimp-style termination** provides a **high-strength, vibration-resistant** mechanical bond that ensures **consistent electrical conductivity and effective shielding**. This connector is commonly utilized in **telecommunications equipment, wireless routing hardware, and security camera systems** where a female interface is required in a small form factor. Its compact and durable design makes it ideal for **custom patch cables, RF test benches, and internal chassis wiring** where space is limited but signal reliability is essential.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	Ω
Frequency Range	DC ~ 3	GHz
VSWR	≤ 1.20	@DC-1.5 GHz
	≤ 1.30	@2-3 GHz
Insertion Loss	≤ 0.5	@DC-3 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.0	kVrms
Inner Conductor Resistance	≤ 10	m Ω
Outer Conductor Resistance	≤ 5	m Ω
Power Handling	~100	W @1GHz
RF Leakage	≤ -80	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Tin
Outer Conductor/Body	Zinc	Nickel
Ferrule	Brass	Nickel
Dielectric	PTFE	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	3/8-32 Threaded	-
Cable Retention Force	≥ 90	N
Cable Type Compatibility	LMR100/RG174/RG316 Cable	-
Operating Temperature	-40 ~ 60	°C
Compliance	ROHS	-