

F M CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3F5C-3C

Product Feature:

- Connector Type : F Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : RG100/RG174/RG316
- Application : General Purpose/Telecom etc

The **F-Type Male Crimp Connector** for **LMR100, RG174, and RG316 cables** is a specialized RF component designed to adapt thin, flexible coaxial cables to standard F-type interfaces. It features a precision **crimp-style termination** that ensures a **secure, vibration-resistant mechanical bond** while maintaining stable **75-ohm impedance**. This connector is primarily used in **RF test equipment, miniature telecommunications devices, and security camera systems** requiring adaptation to **consumer video equipment**. Its compact design and reliable signal integrity make it **ideal for custom cable assemblies** in space-constrained applications.



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
Fastening Nut	Brass	Tin
Dielectric	PTFE	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	3/8-32 Threaded	-
Nut Hex Size	7/16	Inch
Coupling Nut Torque	1.7	Nm
Cable Retention Force	≥ 90	N
Cable Type Compatibility	RG100/RG174/RG316 Cable	-
Operating Temperature	-40 ~ 60	°C
Compliance	ROHS	-