

## F M CRIMP for RG6 Cable

P/N: AT3F5C-3V

### Product Feature:

- Connector Type : F Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : RG6
- Application : General Purpose/Telecom etc



The **F-Type Male Crimp Connector** for **RG6 cable** is a high-performance **75-ohm** RF component designed for **standard and high-definition signal distribution**. It features a robust **crimp-style termination** that creates a secure, moisture-resistant mechanical bond, ensuring superior **shielding and low signal leakage**. This connector is the industry standard for **residential CATV, satellite television installations, and broadband internet** networking. Its reliable design is essential for maintaining clear video quality in **security camera systems (CCTV)** and **high-speed data transmission** across residential and commercial infrastructures.



### Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	$\Omega$
Frequency Range	DC ~ 3	GHz
VSWR	$\leq 1.20$	@DC-1.5 GHz
	$\leq 1.30$	@2-3 GHz
Insertion Loss	$\leq 0.5$	@DC-3 GHz
Insulation Resistance	$\geq 5000$	M $\Omega$
Dielectric Withstanding Voltage	$\geq 1.0$	kVrms
Inner Conductor Resistance	$\leq 10$	m $\Omega$
Outer Conductor Resistance	$\leq 5$	m $\Omega$
Power Handling	~100	W @1GHz
RF Leakage	$\leq -80$	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	RG6 Cable	-
Operating Temperature	-40 ~ 60	°C
Compliance	ROHS	-