

## F M Compression Type Connector for RG6 Cable

P/N: AT3F5N-3V

### Product Feature:

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



The **F-Type Male Compression Connector** for **RG6 cable** is a professional-grade **75-ohm** RF component designed for **maximum signal integrity and weatherproofing**. Unlike standard crimp types, its **360-degree radial compression** creates a permanent, gas-tight seal that virtually eliminates signal leakage and ingress. This makes it the preferred choice for **high-definition satellite TV, 4K CATV distribution, and high-speed cable internet** installations. Its rugged design provides exceptional pull-strength and **moisture resistance**, making it ideal for **outdoor antenna connections, security camera systems, and commercial telecommunications infrastructure**.

### 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

<b>Material &amp; Plating</b>		
<b>Component</b>	<b>Material</b>	<b>Plating</b>
Center Conductor	Brass	Tin
Outer Conductor/Body	Zinc	Nickel
Fastening Nut	Brass	Tin
Dielectric	PTFE	-

<b>Mechanical &amp; Environmental Specifications</b>		
<b>Parameter</b>	<b>Value</b>	<b>Unit</b>
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	-