

F F CRIMP for RG6 Cable

P/N: AT3F6C-3V

Product Feature:

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



The **F-Type Female Crimp Connector** for **RG6 cable** is a professional **75-ohm** RF component designed for standard high-definition coaxial signal distribution. Its precision **crimp-style termination** creates a secure, gas-tight mechanical bond that ensures **excellent electromagnetic shielding** and **minimal signal loss**. This connector is a staple in **residential CATV systems, satellite television installations, and high-speed broadband networking**. Its durable design is widely used for creating custom-length cables in **security camera (CCTV) setups, signal boosters, and distribution amplifiers**, providing a reliable and cost-effective interface for **high-frequency video and data transmission**.

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 | RG6 Cable | - |
| Operating Temperature | -40 ~ 60 | °C |
| Compliance | ROHS | - |