

UHF M CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3U1D-3C

Product Feature:

- Connector Type : UHF (PL-259)
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : LMR100/RG174/RG316
- Application : Military Communication /Telecom etc

The **UHF Male Crimp Connector** for **LMR100, RG174, and RG316 cables** is a precision adapter designed to provide a secure interface for small-diameter, flexible coaxial cables. Its **crimp-style termination** ensures a high-strength mechanical bond and reliable signal continuity for low-power applications. This connector is commonly used in **GPS antennas, portable handheld radios, and internal RF module wiring**. Its compact design is ideal for **Wi-Fi pigtails, laboratory test leads, and automotive telematics** where space-efficient, high-frequency connectivity is required.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 1	GHz
VSWR	≤ 1.10	@DC-500 MHz
	≤ 1.20	@500-1000 MHz
Insertion Loss	≤ 0.1	@DC-500 MHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 2.0	kVrms (at sea level)
Inner Conductor Resistance	≤ 5	m Ω
Outer Conductor Resistance	≤ 5	m Ω
Power Handling	≥ 500	W @1GHz
Shielding Effectiveness	≥ 60	dB @300 MHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Fastening Nut	Brass	Nickel
Ferrule	Brass	Nickel
Dielectric	PTFE	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	5/8-24 Threaded	-
Coupling Nut Torque	1.1	Nm
Coupling Nut Retention Force	≥ 450	N
Cable Type Compatibility	LMR100/RG174/RG316 Cable	-
Operating Temperature	-40 ~ 80	°C
Compliance	ROHS	-