

UHF M RA CLAMP for LMR400/RG8/RG11/RG213/RG393 Cable

P/N: AT3U3C-3E

Product Feature:

- Connector Type : UHF (PL-259)
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Clamp
- Cable : LMR400/RG8/RG11/RG213/RG393
- Application : Military Communication /Telecom etc

The **UHF Male Right-Angle Clamp Connector** for **LMR400, RG213, RG11, RG213 and RG8 cables** is a robust, **field-serviceable solution** for high-power installations with limited rear clearance. Its specialized **clamp mechanism** ensures a secure, gas-tight electrical contact and a weatherproof seal, making it ideal for **commercial broadcasting towers, maritime radio installations, and military-grade communication racks**. This connector is widely utilized in **base station antenna feeders, industrial RF heating systems, and emergency response vehicle setups** where high-voltage signal integrity must be maintained in restricted environments.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 1	GHz
VSWR	≤ 1.15	@DC-500 MHz
	≤ 1.25	@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
Back Nut	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	LMR400/RG8/RG11/RG213/RG393 Cable	-
Operating Temperature	-40 ~ 80	°C
Compliance	ROHS	-