

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

P/N: AT3U1C-3E

Product Feature:

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

The **UHF Male Clamp Connector** for **LMR400, RG213, RG11, RG8 and RG393** is a robust, high-power RF solution designed for reliable performance in demanding environments. Its **clamp-style mechanism** provides a **superior weatherproof seal** and a **secure electrical connection**, making it ideal for **commercial broadcasting towers, maritime communication systems, and military-grade transceivers**. This connector is widely utilized in **base station antenna installations, industrial RF heating equipment, and emergency response vehicle setups**, where maintaining **high-voltage signal integrity** and **field-reparability** is essential for frequencies up to 500 MHz.



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
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	-