Technical
Data Sheet

SMA M CLAMP for 1/2" Super Flexible Cable

P/N: AT3S1C-6L

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : 1/2" Super Flexible
- Application : General Purpose/Telecom etc

The **SMA Male Clamp Connector for 1/2" Super Flexible (Superflex) coaxial cable** is a heavy-duty, high-performance RF connector designed to interface with premium, low-attenuation corrugated copper cabling. Featuring a mechanical clamp termination, it allows for secure, **reliable field installation without specialized crimping tools** while maintaining **excellent PIM (Passive Intermodulation)** performance. This configuration pairs the high flexibility and low loss of 1/2" Superflex cable with a precision SMA interface, making **it ideal for cellular base stations, distributed antenna systems (DAS), wireless infrastructure jumpers, and RF laboratory testing setups** where tight bends and maximum signal integrity are required.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.25	@3-5 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	MΩ
Dielectric Withstanding Voltage	≥ 1.0	kVrms (at sea level)
Inner Conductor Resistance	≤ 3.0	mΩ
Outer Conductor Resistance	≤ 2.0	mΩ
Power Handling	350	W @1GHz
RF Leakage	≤ -60	dB @1GHz

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042
Contact: +91 9643592149 Email: info@aetherx.in , Website: www.aetherx.in

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Material & Plating		
Component	**Material**	**Plating**
Center Conductor	Brass	Gold/Nickel
Outer Conductor/Body	Brass	Gold/ Nickel
Coupling Nut	Brass	Gold/ Nickel
Back Nut	Copper Alloy	Nickel
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	**Value**	**Unit**
Durability (Matings)	≥ 500 min.	-
Fastening Type	1/4-36	-
Contact Captivation	≥ 27	N
Coupling Nut Retention Force	≥ 270	N
Cable Type Compatibility	1/2" Super Flexible Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-

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