

4.3/10 Male Straight Connector



- **50 Ω characteristic resistance**
- **Frequency range: DC-6GHz**
- **≤ 1.09 VSWR**
- **≤ 159 dBc PIM**
- **≤ 0.2 dB insertion loss**
- **≥ 500 mating cycles**
- **Full RoHS compliance**
- **IP68**

Ascent offers a full range of 4.3-10 RF connectors and adapters, which are engineered for the wireless market and are ideal for applications requiring low passive intermodulation, or PIM.

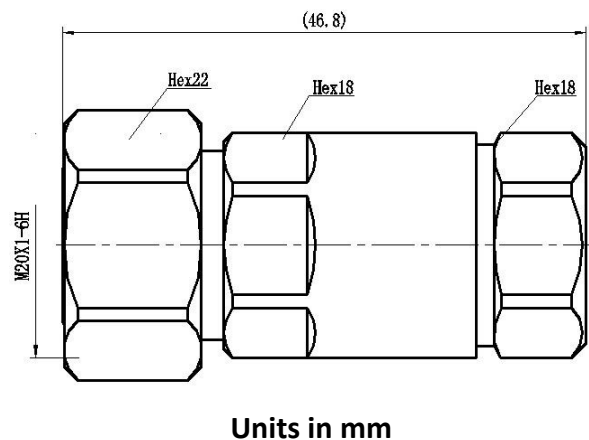
Ascent's A-Conn-4.3-10M male straight connectors offer the same, robust design as 7/16 connectors but are smaller and up to 40% lighter, allowing for much more dense, lighter weight applications. These designs are IP-68 compliant to protect against dust and water ingress for outdoor applications, and provide excellent VSWR performance up to 6.0 GHz. Separate electrical and mechanical components yield very stable PIM performance regardless of coupling torque, allowing for easier installation. Silver plated contacts and White Bronze plated bodies offer a high-degree of conductivity, corrosion resistance, and durability.

Ascent's A-Conn-4.3-10M male straight connectors are suitable for use with 1/2" super-flexible cables. They feature low insertion loss, full RoHS compliance, and IP68 waterproof rating.

Key Features

- 50 Ω characteristic resistance
- Frequency range: DC-6GHz
- ≤ 1.09 VSWR
- ≤ 159 dBc PIM
- ≤ 0.2 dB insertion loss
- ≥ 500 mating cycles
- Full RoHS compliance
- IP68

Outline Diagram



Specifications

Item	Description	
Interface	Compliant with IEC 61169-54	
Electrical		
Characteristic Impedance	50 Ω	
Frequency Range	DC-6GHz	
VSWR (Single Connector)	≤ 1.04 (DC-2GHz)	
	≤ 1.05 (2-3GHz)	
	≤ 1.09 (3-6GHz)	
PIM (@ 2-tonex20W)	≤ -159 dBc	
Insertion Loss	≤ 0.2 dB	
Dielectric Withstanding Voltage	≥ 2500 V RMS, 50 Hz, sea level	
Dielectric Resistance	≥ 5000 M Ω	
Mechanical		
Weight	110 g	
Durability	≥ 500 mating cycles	
Material and Plating	Material	Plating
Body	Brass	Tri-Alloy
Insulator	PTFE	-
Center Conductor	Phosphor bronze	Ag
Other	Brass	Ni
Environmental		
Operating Temperature	-40 °C to $+85$ °C	
RoHS Compliance	Full RoHS compliance	
Salt-Fog Test	96 h	
IP Rating	IP68	

Ordering Information

Product Name	Product Description
A-Conn-4.3-10M	Connector 4.3-10 Male Connector for 1/2 flexible cable

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