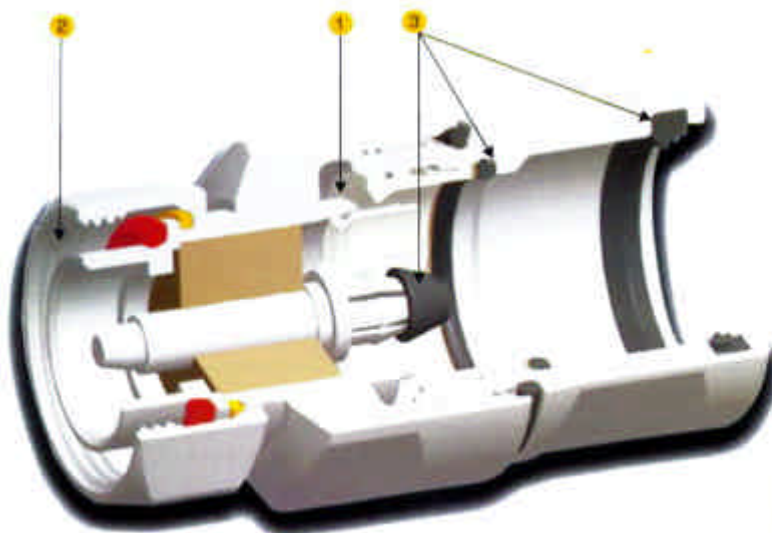


DATA SHEET – RF COAXIAL CONNECTORS



Application

RF Coaxial connectors are used to transmit RF signal between the transmission equipment and the antenna with sufficient performance in all environmental conditions with minimum losses and reflection. Also provides a fast and simple reliable connection.



- 1 Metal to metal positive stop
- 2 Port interface design per IEC specification B116B-4
- 3 O-ring seal on outer conductor and jacket plus inner conductor seal to ensure maximum protection

DATA SHEET – RF COAXIAL CONNECTORS

TECNICAL DATA OF RF COAXIAL CONNECTORS		
	N	7/16 (DIN)
Recommended coupling torque	4 - 6 Nm	30 - 35 Nm
Durability	500 matings	500 matings
Materials		
Spring contacts	TinBronze or Brass	TinBronze or Brass
Outer conductor	Brass or Aluminium	Brass or Aluminium
Other metal parts	Brass or steel	Brass or steel
Insulator	PTFE, POM, TPX, PE	PTFE, POM, TPX, PE
Gaskets	EPDM, Silicone	EPDM, Silicone
Finish		
Inner conductor	Silver or Gold	
Outer conductor	NiSn, Optargen or similar	
Other parts	NiSn or None	NiSn or None
Climatic IEC 68- part 1		
Types with PTFE	55/155/21	55/155/21
Protection acc IEC 60529		
	>=IPx7	>=IPx7
Electrical		
Contact resistance Inner contact	0.5 - 1 m?	0.5 - 1 m?
Contact resistance outer contact	0.5 - 1 m?	0.5 - 1 m?
Insulation resistance	>30 G? / 500Vdc	>30 G? / 500Vdc
Voltage proof	>2.5 kVac rms (50-60 Hz)	>4 kVac rms (50-60 Hz)
Characteristic impedance	50?	50?
Frequency range	DC - 3 GHz	DC - 3 GHz
Working Voltage	< 1kV rms	< 2.7 kV rms
Power handling		
VSWR 1 GHz straight	1.060 (30.7 dB)	1.060 (30.7 dB)
VSWR 1 GHz Angle	1.060 (30.7 dB)	1.060 (30.7 dB)
VSWR 2 GHz straight	1.060 (30.7 dB)	1.060 (30.7 dB)
VSWR 2 GHz Angle	1.060 (30.7 dB)	1.060 (30.7 dB)
Intermodulation 3'rd order 2 x 20W		
800 - 1000 MHz	157 dBc / -114 dBm	157 dBc / -114 dBm
1600 - 2000 MHz	157 dBc / -114 dBm	157 dBc / -114 dBm
Applicable cables	RF ½", RF ½" FLEX, RF 5/8", RF 7/8", RF 7/8" FLEX, RF 1-1/4", RF 1-5/8"	
Connector compatible with following manufacturers cables	TVS, Acome, Andrew, Hansen, Huber+Suhner, Leoni (L.S.C), LG Cables, NKCables, RFS Kabelmetall	