

SPECIFICATION

1. **Product:** N Straight Male Connector for 1/2" Cable
2. **Model:** SP-CN-NM-CF12
3. **Data Sheet**

Electrical		
Data	Specification	Remark
Frequency	DC-18GHz	
Insertion Loss	$\leq 0.10\text{dB}$	
VSWR	$\leq 1.10@DC-3000\text{MHz}$	
Characteristic Impedance	50ohm	
Center contact resistance	$\leq 1.0\text{m}\Omega$	
Outer contact resistance	$\leq 0.25\text{ m}\Omega$	
Test voltage (at sea level)	2500 V rms	
Working voltage (at sea level)	1400 V rms	
Intermodulation 3rd order	$\leq -155\text{ dBc}$ (2 x 43 dBm)	
Material and Plating		
Parts Name	Material	Plating
Body	Brass	Trimetal
Durability	Mating cycles ≥ 500	
Inner Conductor Pin	Brass	Sliver
Insulator	PTFE/TPX	-
Inner Conductor Socket	Tin Bronze	Sliver
Outer Conductor	Brass	Trimetal
Gasket	Silicone Rubber	-
Environmental		
Operating Temperature	-65°C to 85 °C	
Weatherproof Rate	IP67	
Thermal shock	IEC 60068-2-14 Test Na	
Corrosion resistance	IEC 60068-2-11 Test Ka	
Vibration Shock	MIL_STD-202, Meth.204, Cond.A MIL_STD-202, Meth 213, Test condition D	
Moisture resistance	IEC 60068-2-3 Test Ca	

4. Outline Drawing

