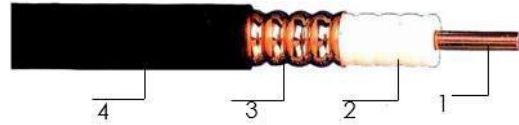


# Product Specifications

**Product:** 1/2" Cable coaxial

**Part Number:** RF50-1/2C



- 1. Inner conductor
- 2. Insulator
- 3. Outer conductor
- 4. Jacket

## CHARACTERISTICS

Structural Material		
Inner conductor		Copper-clad aluminum wire
Insulator		High physical foaming polyethylene
Outer conductor		Annular corrugated copper tubes
Jacket		Black PE or Low Smoke Halogen-free Fire-retardant
Structural Parameters		
Inner conductor outer diameter(mm)		4.80±0.05
Insulator outer diameter(mm)		12.20±0.20
Outer conductor outer diameter(mm)		13.80±0.15
Jacket	Nominal thickness(mm)	1.00
	Outer diameter(mm)	15.80±0.20
Mechanical Parameter		
Minimum Bend	Single bend	70
Radius(mm)	15 times bend	125
Maximum tensile force(N)		1130
Compressive strength(kg/mm)		2.0
Storage temperature(°C)		-70 to +85
Installation temperature(°C)		-40 to +60
Working temperature(°C)		-55 to +85
DC Resistance (Ω/KM)	Inner conductor	1.49
	Outer conductor	2.01
Impedance (Ω)		50±1
Capacitance (PF/M)		75.8
Transmission Rate(%)		89
DC Breakdown Voltage(kV)		4.0
Attenuation Constant (dB/100m)	900MHz	6.73
	1800 MHz	10.01
	2000 MHz	10.65
	2200 MHz	11.26
	2600MHz	12.08
Power Capacity (KW)	900MHz	1.10
	1800 MHz	0.753
	2000 MHz	0.710
	2200 MHz	0.673
	2600MHz	0.601
VSWR	820~960MHz	≤1.13
	1700~1900MHz	≤1.15
	1860~2100MHz	≤1.15
	2100~2600MHz	≤1.20
Cut-off frequency(GHz)		9.00
Shielded Attenuation(dB)		>>120
Min Insulation Resistance(MΩ·km)		>10000
IMD		≤-160dBc