



½" Hansen Feeder Cable
Part No. RF50 1/2"

- The high Performance of attenuation allows co-axial cable to be used in different RF systems , such as 3G, 4G Mobile Communication.
- Wide range of applications, such as indoor distribution, broadcast, various base stations wireless cellular, and others.
- Lower VSWR, perfect shielding effectiveness, and extraordinary inter-modulation performance lead to fewer energy loss and outer interference

Construction		Diameter
Inner Conductor	Copper Clad Aluminum wire	4.8±0.05 mm
Dielectric	Physical Foam Polyethylene	12.20 ±0.30 mm
Outer Conductor	Ring Corrugated Copper	13.80 ±0.20 mm
Jacket	PE	15.80 ±0.20 mm

Electrical Characteristics	
Impedance	50Ω
Cut-off Frequency	DC – 8 GHz
Velocity of Propagation	88%
Withstand Voltage	4.0kV
Capacitance	75.8 pF/m
Peak Power	40.0 kW
Insulation Resistance	> 5 x 10 ³ MΩ / Km
Screening Attenuation	>120 dB

Mechanical & Environmental Specification	
Minimum Bending Radius	
Single Bend	70 mm
Repeated Bend	125 mm
Moving Bend	350 mm
Pulling Strength	1130 N
Crush Resistance	2 kg / mm
Tensile Strength	102 kg / (225 lb)
Storage Temperature	-70 to +85°C
Installation Temperature	-40 to +60°C
Operating Temperature	-55 to +85°C

Frequency (MHz)	Attenuation & Average Power at 20°C	
	dB/100 m	kw
10	0.672	11.30
100	2.17	3.49
200	3.10	2.44
450	4.75	1.59
800	6.46	1.17
900	6.87	1.10
1000	7.28	1.04
1500	9.09	0.833
1800	10.10	0.753
2000	10.70	0.710
2500	12.10	0.627
3000	13.40	0.565