



**1-5/8" Hansen Feeder Cable**  
**Part No. RF50 1-5/8"**

- 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	Corrugated Copper	17.7 mm
Di-electric	Gas Injected PE	43 mm
Outer Conductor	Corrugated Copper	46.6 mm
Jacket	Black PE	50 mm

Electrical Characteristics	
Impedance	50Ω
Max. Operating Frequency	2.7 GHz
Capacitance	75 p F/m
Inductance	0.19 μ H/m
Velocity of Propagation	89%
RF Peak Voltage	5500 Volts
Peak Power Rating	302 kW
Insulation Resistance	> 5 x 10 <sup>3</sup> MΩ / Km
Inner Conductor DC Resistance	1.37 Ω / 1000 m
Outer Conductor DC Resistance	0.39 Ω / 1000 m

Mechanical & Environmental Specification	
Cable Weight	1.13 kg/m
Max. Pull Strength	250 daN
Min. Bending Radius (single)	200 mm
Min. Bending Radius (repeated)	400 mm
Max. Clamp spacing	1.5 m
Storage Temperature	-55to +80°C
Installation Temperature	-40 to +60°C
Operating Temperature	-55 to +80°C
RoHS	Compliant

Frequency (MHz)	Attenuation & Average Power	
	dB/100 m	kw
100	0.65	15.68
200	0.93	10.84
300	1.16	8.70
400	1.36	7.43
450	1.46	6.96
800	2.01	5.03
960	2.23	4.53
1000	2.29	4.43
1500	2.90	3.49
1800	3.23	3.13
2000	3.45	2.94
2200	3.65	2.77
2500	3.95	2.57