



- 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

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

CONSTRUCTION

Item	Material	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 SPECIFICATION

Max. Operating Frequency	2.7 GHz
Impedence (Ω)	50 Ω
Nominal Capacitance	75 p F/m
Nominal 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 ³ M Ω / 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