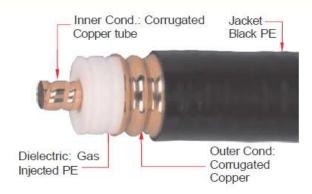


gnity RF Solutions





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	$> 5 \times 10^3 M\Omega / Km$	
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 +80ºC	
Installation Temperature	-40 to +60°C	
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Operating Temperature	-55 to +80ºC	

Frequency	Attenuation & Average Power	
(MHz)	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