



1-1/4" Feeder Cable
Part No. RF50 1-1/4"

- 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 Tube	13.0 mm
Di-electric	Cellular Polyethylene	32.2 mm
Outer Conductor	Corrugated Copper tube	35.8 mm
Jacket	Black, halogen-free fire-retardant thermoplastic	39.0 mm

Electrical Characteristics	
Impedance	50Ω
Max. Operating Frequency	3.3 GHz
Capacitance	76.0 p F/m
Inductance	0.184 uH/m
Propagation Velocity	88 %
Peak RF Voltage Rating	4.6 kV
Peak Power Rating	205 kW
Insulation Resistance	>5000 MQ.km
DC Resistance : Inner Conductor	0.64 Ω/km
DC Resistance : Outer Conductor	0.55 Ω/km

Mechanical & Environmental Specification	
pulling strength	3600 N
crush resistance	2.2 kg/mm
Min. Bending Radius (single)	200 mm
Min. Bending Radius (repeated)	380 mm
Storage Temperature	-70±85°C
Installation Temperature	-40±60°C
Operating Temperature	-55±85°C
RoHS	Compliant

Frequency (MHz)	Attenuation & Average Power	
	dB/100 m	kw
10	38.6	0.253
100	11.7	0.832
450	5.22	1.87
690	4.35	2.38
800	3.78	2.59
900	3.53	2.77
1000	3.32	2.94
1800	2.35	4.16
2000	2.21	4.43
2200	2.09	4.69
2400	1.99	4.95
2500	1.95	5.07
2600	1.91	5.20

VSWR	
820 ~ 960 MHz	≤1.15
1700-2200MHz	≤1.15
2300-2400MHz	≤1.15