

Dhruv Telecom



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		
Material		Diameter (mm)
Inner Conductor Copper Clad	Aluminum wire Dielectric	4.8±0.05 mm
Physical Foam Polyethylene	Outer Conductor Ring Corrugated	12.20 ±0.30 mm
Copper		13.80 ±0.20 mm
Jacket PE		15.80 ±0.20 mm
ELECTRICAL SPECIFICATION		
Cut Off Frequency DC – 8 GHz		
Impedence (Ω) 50Ω		
Capacitance (pF/m) 75.8 pF/m		
Velocity of Propagation (%) 88%		
Peak Power 40.0 kW		
Voltage withstand (Vrms) 4.0kV		
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		

Frequency at 20°C dB/100 m (MHz)	Attenuation & Average Power 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

Plot No.29/29-A, Kh.No.10/10, Yadav Park, Opposite Samsan Ghaat Najafgarh road , pole no.MOKD047, Nangloi, New Delhi-110041