

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	4.8±0.05 mm
Physical Foam	Polyethylene	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	
Impedance (Ω)	50 Ω
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 M Ω / 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