

RF FEEDER COAXIAL CABLE FOR INDOOR USE



RF CABLES

CONSTRUCTION



- 1. Inner Conductor : Smooth Copper Tube (for Smooth Type) Hellical corrugated Cu. Tape (for 'S' Type)
- 2. Insulation : Foamed PE Dielectric
- 3. Outer Conductor : Annular corrugated copper tube



- 4. Jacketing : PE Jacket

MECHANICAL

Cable Type	PHYSICAL DIMENSION				MECHANICAL CHARACTERISTIC	
	Inner Conductor Diameter (mm)	Outer Conductor Diameter (mm)	Jacketing		Minimum Bending Radius (mm)	
			Thickness (mm)	Diameter (mm)	IO repeated Bending	Mobile Application
1/2 "	4.90	13.80	1.00	15.80	125	350
7/8"	9.00	24.90	1.30	27.50	250	500
1 1/4 "	13.10	36.00	1.80	39.60	380	-
1 5/8 "	17.30	46.50	1.75	50.00	510	-
1/4 "S	1.91	6.40	0.60	7.40	25	200
1/2 "S	3.60	12.20	0.70	13.20	30	-
7/8 "S	9.42	24.90	1.05	27.50	123	400

ELECTRICAL

- Shielding Effectivenessn(db) : ≥ 120
- Insulation Resistance (m Ω .km) : $> 5 \times 10$
- VSWR (820 MHZ-2500MHZ)/ (1.7 GHZ-196 GHz) : ≤ 1.10
- Characteristik Impedance (Ω) : Avg. 50 ± 1
- Attenuation :

Type	Attenuation at 20C (dB/100m)									
	100 MHz	200 MHz	300 MHz	450 MHz	800 MHz	900 MHz	1000 MHz	1800 MHz	2000 MHz	2500 MHz
1/2 "	2.17	3.10	3.83	4.75	6.46	6.87	7.28	10.10	10.70	12.10
7/8"	1.19	1.72	2.13	2.65	3.63	3.88	4.12	5.75	6.11	6.95
1 1/4 "	0.83	1.20	1.50	1.87	2.59	2.77	2.94	4.16	4.43	5.08
1 5/8 "	0.67	0.98	1.22	1.53	2.13	2.29	2.43	3.47	3.71	4.27
1/4 "S	5.89	8.41	10.40	12.80	17.40	18.40	19.60	26.90	28.50	32.10
1/2 "S	3.41	4.91	6.09	7.59	10.40	11.20	11.80	16.60	17.60	19.50
7/8 "S	1.30	1.87	2.32	2.88	3.94	4.22	4.46	6.21	6.59	7.50

Normal Capacitance & Average Power Rating :

Type	Normal Capacitance (PF/m)	Average Power Rating (kW)								
		100 MHz	200 MHz	300 MHz	450 MHz	800 MHz	1000 MHz	1800 MHz	2000 MHz	2500 MHz
1/2 "	75.8	3.49	2.44	1.97	1.59	1.17	1.04	0.753	0.71	0.627
7/8"	75	7.56	5.26	4.24	3.41	2.48	2.19	1.57	1.48	1.30
1 1/4 "	75	11.70	8.12	6.52	5.22	3.78	3.32	2.35	2.21	1.92
1 5/8 "	76	16.40	11.30	9.01	7.18	5.15	4.52	3.17	2.96	2.58
1/4 "S	79.4	1.23	0.87	0.7	0.36	0.42	0.37	0.27	0.26	0.23
1/2 "S	82	3.08	2.14	1.72	1.38	1.01	0.89	0.63	0.6	0.53
7/8 "S	74.2	6.62	4.61	3.72	2.99	2.19	1.94	1.39	1.31	1.15