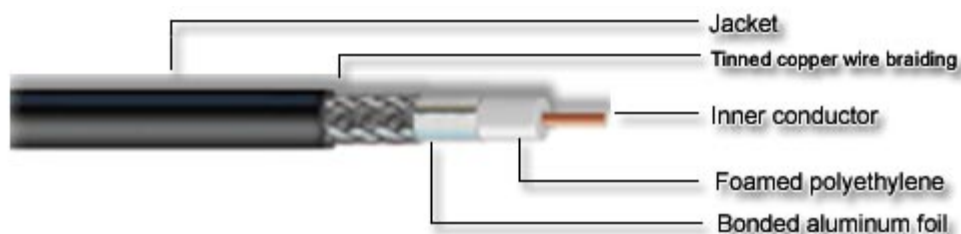


HLF SERIES



Construction (Diameter: mm)

Item	100A	195	200	240	300	400	500	600	900	1200	1700
Inner conductor	0.46	0.94	1.12	1.42	1.78	2.74	3.61	4.47	6.65	8.86	13.39
Dielectric	1.52	2.80	2.95	3.81	4.83	7.24	9.40	11.56	17.27	23.37	34.29
Outer conductor	2.11	3.53	3.66	4.52	5.72	8.13	10.29	12.45	18.59	24.69	35.61
Jacket	2.79	4.95	4.95	6.10	7.62	10.29	12.70	14.99	22.10	30.48	42.42

Performance

Item	100A	195	200	240	300	400	500	600	900	1200	1700	
Min.bending radius (mm)	6.4	12.7	12.7	19.1	22.2	25.4	31.8	38.1	76.2	165.1	342.9	
Operating temperatruue (°C)	-40°C ~ +70°C											
Installation temperatruue (°C)	-40°C ~ +70°C											
Nomial weight (kg/m)	0.02	0.03	0.03	0.05	0.08	0.10	0.14	0.20	0.40	0.67	1.10	
Flat plate crush resistance (kg/mm ²)	0.18	0.27	0.27	0.36	0.54	0.71	0.89	1.07	1.79	4.47	5.36	
Tensile strength (kg)	6.8	18.2	18.2	36.3	54.5	72.6	118	158.9	340.5	590.2	681.0	
DC resistance (Ω/km)	Inner conductor (CCA)	26.6	24.94	17.59	10.50	6.96	4.56	2.69	1.74	1.77	1.05	0.69
	Outer conductor	31.2	16.08	16.08	12.76	7.25	5.41	4.17	3.94	1.80	1.21	0.89
Insulation resistance (MΩ/Km)	5000											
Dielectric strength (kv)	1.6											
Velocity of propagation (%)	66	80	83	85	86	87	86	87	87	88	89	
Peak power rating (kw)	0.6	2.5	2.5	5.6	10	16	22	40	62	90	202	
Cutoff frequency (GHZ)	90	41	39	31	24.5	16.2	12.6	10.3	6.9	5.2	3.6	
Characteristic impedance (Ω)	50											
V.S.W.R	(1 ~ 3000MHZ) ≤1.5											
Voltage withstand (VDC)	500	1000	1000	1500	2000	2500	3000	4000	5000	6000	9000	
Capacitance (pF/m)	101.1	79.70	80.4	79.4	79.1	78.4	77.40	76.8	76.8	75.8	74.8	
Inductance (μH/m)	0.25	0.21	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.18	0.19	
Shielding effectiveness	>90dB											
Phase stability	<10ppm/°C											

Attenuation(@20°C) db/100m

Frequency	100A	195	200	240	300	400	500	600	900	1200	1700
30MHz	12.9	6.5	5.8	4.4	3.5	2.2	1.8	1.4	0.9	0.7	0.5
50MHz	16.7	8.4	7.5	5.7	4.5	2.9	2.3	1.8	1.2	0.9	0.6
100MHz	23.8	12.0	10.8	8.2	6.5	4.3	3.4	2.8	1.8	1.3	0.9
150MHz	29.4	14.6	13.1	9.9	7.9	5.0	4.0	3.2	2.2	1.6	1.1
220MHz	35.8	17.7	15.9	12.0	9.6	6.1	4.9	3.9	2.6	1.9	1.4
450MHz	51.9	25.5	22.8	17.3	13.8	8.9	7.1	5.6	3.8	2.8	2.1
900MHz	74.9	36.5	32.6	24.8	19.9	12.8	10.3	8.2	5.6	4.2	3.1
1500MHz	98.7	47.7	42.4	32.4	26.0	16.8	13.6	10.9	7.4	5.5	4.1
1800MHz	109.0	52.5	46.6	35.6	28.7	18.6	15.0	12.1	8.2	6.1	4.6
2000MHz	115.5	55.4	49.3	37.7	30.3	19.6	15.9	12.8	8.6	6.5	4.9
2500MHz	130.6	62.4	55.4	42.4	34.2	22.2	18.0	14.5	9.8	7.4	5.6
3000MHz	143.8	68.9	61.3	47.1	38.2	25.0	20.4	16.6	11.5	8.8	6.9

Average power rating(@Ambient 40 °C,Inner conductor 100 °C) KW

Frequency	100A	195	200	240	300	400	500	600	900	1200	1700
30MHz	0.23	0.89	1.02	1.49	2.1	3.3	4.4	5.5	8.9	12.6	20.3
50MHz	0.18	0.68	0.79	1.15	1.6	2.6	3.4	4.2	6.9	9.7	15.6
100MHz	0.14	0.47	0.58	0.80	1.25	2.0	2.5	3.4	5.4	7.6	12.2
150MHz	0.10	0.39	0.45	0.66	0.92	1.5	1.9	2.4	3.9	5.5	8.7
220MHz	0.08	0.32	0.37	0.54	0.76	1.2	1.6	2.0	3.2	4.5	7.1
450MHz	0.06	0.22	0.26	0.38	0.52	0.83	1.09	1.35	2.2	3.1	4.8
900MHz	0.05	0.15	0.18	0.26	0.36	0.58	0.75	0.93	1.5	2.1	3.2
1500MHz	0.04	0.12	0.14	0.20	0.28	0.44	0.57	0.70	1.1	1.6	2.4
1800MHz	0.03	0.11	0.13	0.18	0.25	0.40	0.52	0.63	1.0	1.4	2.2
2000MHz	0.02	0.10	0.12	0.17	0.24	0.37	0.49	0.59	1.0	1.3	2.0
2500MHz	0.01	0.09	0.10	0.15	0.21	0.33	0.43	0.52	0.9	1.2	1.8
3000MHz	0.01	0.08	0.09	0.14	0.20	0.31	0.38	0.40	0.80	1.1	1.7