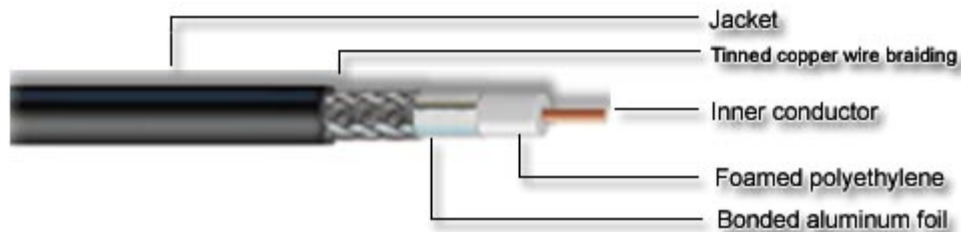


D-FB SERIES



Construction (Diameter: mm)

Item	4D-FB	5D-FB	7D-FB	8D-FB	10D-FB	12D-FB
Inner conductor	1.42	1.8	2.6	2.8	3.5	4.4
Dielectric	3.80	5.0	7.3	7.8	10.0	12.4
Outer conductor	4.50	5.7	8.2	8.8	11.0	13.6
Jacket	6.10	7.5	9.8	11.1	13.0	15.6

Performance

Item	4D-FB	5D-FB	7D-FB	8D-FB	10D-FB	12D-FB	
Min.bending radius (mm)	30	35	45	55	65	75	
Operating temperatruue (°C)	-25°C ~ +70°C						
Installation temperatruue (°C)	-25°C ~ +70°C						
Nomial weight (kg/m)	0.05	0.08	0.10	0.16	0.25	0.35	
Flat plate crush resistance (kg/mm ²)	0.36	0.54	0.71	0.80	0.95	1.55	
Tensile strength (kg)	36.3	54.5	72.6	86	125	150	
DC resistance (Ω/km)	Inner conductor (CCA)	10.50	6.91	3.31	2.86	1.82	1.15
	Outer conductor	12.76	10.5	11.1	8.25	5.30	3.40
Insulation resistance (MΩ/Km)	5000						
Dielectric strength (kv)	1.6						
Velocity of propagation (%)	82	82	82	83	81	81	
Peak power rating (kw)	5.2	8.8	15	16	25	38	
Cutoff frequency (GHZ)	30	23	15.8	15.1	11.9	9.6	
Characteristic impedance (Ω)	50						
V.S.W.R	≤1.3						
Voltage withstand (VDC)	1000	2000	2500	2500	3000	4000	
Capacitance (pF/m)	81	81	84	84	84	84	
Inductance (μH/m)	0.20	0.20	0.21	0.21	0.21	0.21	
Shielding effectiveness	>90dB						
Phase stability	<18ppm/°C						

Attenuation(@20°C) db/100m

Frequency	4D-FB	5D-FB	7D-FB	8D-FB	10D-FB	12D-FB
150MHz	10.0	7.8	5.4	5.2	4.1	3.6
200MHz	11.5	9.1	6.3	6.1	4.8	4.2
280MHz	12.9	10.9	7.5	7.3	5.5	4.6
350MHz	16.5	12.2	8.4	8.2	6.2	5.2
400MHz	17.6	13.0	9.0	8.6	7.0	6.0
800MHz	23.6	18.9	12.8	12.3	10.0	8.3
900MHz	24.5	20.0	14.1	13.0	11.0	9.3
1200MHz	28.3	24.0	16.8	16.5	13.2	10.7

1500MHz	33.5	27.2	19.2	18.7	15.3	11.8
1900MHz	37.7	31.3	22.4	21.7	17.2	13.8
2000MHz	38.7	32.5	23.2	22.5	17.8	14.4
2400MHz	42.6	35.8	25.7	24.8	19.6	15.9
3000MHz	48.6	40.9	29.5	28.4	22.5	18.3

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

Frequency	4D-FB	5D-FB	7D-FB	8D-FB	10D-FB	12D-FB
150MHz	0.64	0.90	1.37	1.37	1.85	2.06
200MHz	0.56	0.77	1.16	1.16	1.58	1.76
280MHz	0.50	0.64	0.99	0.97	1.38	1.61
350MHz	0.39	0.57	0.87	0.87	1.23	1.42
400MHz	0.36	0.54	0.79	0.83	1.09	1.23
800MHz	0.27	0.37	0.55	0.58	0.76	0.89
900MHz	0.26	0.35	0.50	0.55	0.69	0.80
1200MHz	0.23	0.29	0.42	0.43	0.58	0.69
1500MHz	0.19	0.26	0.37	0.38	0.50	0.63
1900MHz	0.17	0.22	0.32	0.33	0.44	0.54
2000MHz	0.16	0.21	0.31	0.32	0.43	0.53
2400MHz	0.15	0.20	0.28	0.29	0.39	0.47
3000MHz	0.13	0.17	0.24	0.25	0.34	0.40