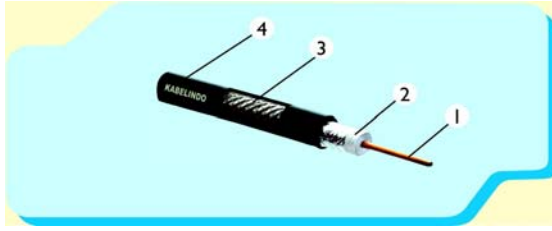


**D - FB SERIES COAXIAL CABLE**



**RF CABLES**

**CONSTRUCTION**

-  1. Inner Conductor : Smooth Copper Tube
-  2. Insulation : Foamed PE Dielectric
-  3. Double Shielded Cover : Tin Copper
-  4. Jacketing : PE Jacket

**MECHANICAL**

Cable Type	PHYSICAL DIMENSION				MECHANICAL CHARACTERISTIC
	Inner Conductor Diameter	Insulation Diameter	Outer Conductor Diameter	Jacketing Diameter	Minimum Bending Radius
	(mm)	(mm)	(mm)	(mm)	
4D-FB	1.42	3.80	4.50	6.10	30
5D-FB	1.80	5.0	5.70	7.50	35
7D-FB	2.60	7.30	8.20	9.80	45
8D-FB	2.80	7.80	8.80	11.10	55
10D-FB	3.50	10.0	11.0	13.0	65
12D-FB	4.40	12.40	13.60	15.60	75

**ELECTRICAL SPECIFICATION**

- Shielding Effectiveness (db) :  $\geq 90$
  - Insulation Resistance (m $\Omega$ .km) :  $\geq 5 \times 10^3$
  - VSWR (0.01 GHz - 3GHz) :  $\leq 1.20$
  - Characteristic Impedance ( $\Omega$ ) : Avg.  $50 \pm 1$
  - Operating Temperature ( $^{\circ}$ C) :  $-40^{\circ}$ C  $\sim$   $+70^{\circ}$ C
  - Installation Temperature ( $^{\circ}$ C) :  $-40^{\circ}$ C  $\sim$   $+70^{\circ}$ C
- Attenuation :

Type	Attenuation at 20 $^{\circ}$ C (dB/100m)						
	900 MHz	1200 MHz	1500 MHz	1900 MHz	2000 MHz	2400 MHz	3000 MHz
4D-FB	24.5	28.3	33.5	37.7	38.7	42.6	48.6
5D-FB	20.0	24.0	27.2	31.3	32.5	35.8	40.9
7D-FB	14.1	16.8	19.2	22.4	23.2	25.7	29.5
8D-FB	13.0	16.5	18.7	21.7	22.5	24.8	28.4
10D-FB	11.0	13.2	15.3	17.2	17.8	19.6	22.5
12D-FB	9.3	10.7	11.8	13.8	14.4	15.9	18.3

Normal Capacitance & Average Power Rating :

Type	Capacitance (pF/m)	Attenuation at 20 $^{\circ}$ C (dB/100m)						
		900 MHz	1200 MHz	1500 MHz	1900 MHz	2000 MHz	2400 MHz	3000 MHz
4D-FB	81	0.26	0.23	0.19	0.17	0.16	0.15	0.13
5D-FB		0.35	0.29	0.26	0.22	0.21	0.20	0.17
7D-FB		0.50	0.42	0.37	0.32	0.31	0.28	0.24
8D-FB	84	0.55	0.43	0.38	0.33	0.32	0.29	0.25
10D-FB		0.69	0.58	0.50	0.44	0.43	0.39	0.34
12D-FB		0.80	0.69	0.63	0.54	0.53	0.47	0.40