

**5D-FB****Construction**

Item	Material	Diameter (mm)
Inner Conductor	Bare Copper or Copper Clad	1.80
Dielectric	Foam PE	5.00
First Shield	Bonded Aluminum Foil	5.20
Second Shield	Tinned Copper wire Braid (70%)	16/7/0.12mm
Jacket	PVC or PE	7.50

**Electrical Characteristics**

Impedance ( $\Omega$ )	50 $\pm$ 3
Capacitance (pF/m)	82 $\pm$ 2
Velocity of Propagation (%)	82.0
Dielectric strength (KV)	1.6
V.S.W.R	$\leq$ 1.3
Return Loss	$\geq$ 20
Screening Effectiveness (dB)	$\geq$ 85
Min. Bending Radius (mm)	35.0
Operating Temp. ( $^{\circ}$ C)	-25 to +70

**Attenuation ( @ 20  $^{\circ}$ C )**

Frequency(MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
100	1.9	6.3
150	2.4	7.8
280	3.3	10.9
350	3.7	12.2
400	4.0	13.0
800	5.8	18.9
900	6.1	20.0
1200	7.3	24.0
1500	8.3	27.2
1800	9.1	29.7
1900	9.5	31.3
2000	9.9	32.5
2200	10.1	33.3
2500	10.9	35.8
3000	12.5	40.9