

5D-FB-AL**Construction**

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

Electrical Characteristics

Impedance (Ω)	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