

3D-FB-AL**Construction**

Item	Material	Diameter (mm)
Inner Conductor	Bare Copper or Copper Clad Steel	1.07
Dielectric	Foam PE	3.00
First Shield	Bonded Aluminum Foil	3.20
Second Shield	Aluminum wire Braid (70%)	16/5/0.12mm
Jacket	PVC or PE	5.40

Electrical Characteristics

Impedance (Ω)	50 \pm 3
Capacitance (pF/m)	82 \pm 2
Velocity of Propagation (%)	81.0
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)	27.0
Operating Temp. ($^{\circ}$ C)	-25 to +70

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

Frequency(MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
100	3.2	10.4
150	4.0	13.0
280	5.3	17.5
350	5.9	19.5
400	6.6	21.5
800	9.2	30.2
900	9.7	31.8
1200	11.3	37.2
1500	12.6	41.5
1800	13.9	45.6
1900	14.3	46.8
2000	14.7	48.2
2200	15.4	50.6
2500	16.5	54.0