

12D-FB-AL**Construction**

Item	Material	Diameter (mm)
Inner Conductor	Bare Copper or Copper Clad Aluminum	4.40
Dielectric	Foam PE	12.40
First Shield	Bonded Aluminum Foil	12.60
Second Shield	Aluminum wire Braid (90%)	24/7/0.15mm
Jacket	PVC or PE	15.60

Electrical Characteristics

Impedance (Ω)	50 \pm 3
Capacitance (pF/m)	84
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 90
Min. Bending Radius (mm)	75.0
Operating Temp. ($^{\circ}$ C)	-25 to +70

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

Frequency(MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
100	0.8	2.7
150	1.1	3.6
280	1.4	4.6
350	1.6	5.2
400	1.8	6.0
800	2.6	8.5
900	2.8	9.3
1200	3.3	10.8
1500	3.7	12.3
1800	4.2	13.7
1900	4.3	14.2
2000	4.5	14.6
2200	4.5	14.9
2500	5.1	16.6
3000	6.9	22.5