

FLEX-3



Construction

Item	Material	Diameter (Inch/mm)	
Inner Conductor	Bare Copper solid	0.015	0.38
Dielectric	Foam PE	0.091	2.30
First Shield	Aluminum Foil	0.094	2.40
Second Shield	Copper clad aluminum wire Braid 90%	0.113	2.88
Jacket	PVC	0.150	3.80

Electrical Characteristics

Impedance (Ω)	75 \pm 3
Capacitance(pF/m)	52
Velocity of Propagation (%)	85
Return Loss 50-2100Mhz (dB)	20
Voltage withstand (Volts DC)	2500
Spark Test (VRMS) Installation	1600
Temp Range ($^{\circ}$ C) Operating	-30 to +60
Temp Range ($^{\circ}$ C)	-30 to +60

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

Frequency (MHz)	Max Attenuation (dB/100m)
0.051	0.9
1.024	2.1
4.224	4.1
17.184	8.5
34.368	10.5
70.000	14.6
210.000	24.5