

# Semi-Rigid, Conformable, Flexible Version 047 Size Cable Specifications

Description	SEMI-RIGID	SEMI-RIGID	CONFORMABLE	MINI-FLEX 065			
Cable Code	047	047TP	BJ047	065			
MIL Number	M17/151-00001	M17/151-00002	N/A	N/A			
Diameter	0.047	0.047	0.047	0.068			
Frequency, Max (GHz)	65	65	18	50			
Loss @ 5 GHz (dB)	20.5	78.0	89.0	77.0			
<b>Electrical Data</b>							
Impedance, nominal ( $\Omega$ )	50	50	50	50			
Velocity of Propagation (%)	69.5	69.5	69.5	76			
Shielding Effectiveness, 1 GHz (dB/ft)	>100	>100	>90	>85			
Capacitance (pF/ft)	29.5	29.5	29.5	27			
Delay (ns/ft)	1.46	1.46	1.46	1.34			
<b>Mechanical Data</b>							
Weight (lbs/100ft)	0.45	0.45	0.38	0.95			
Temperature Range ( $^{\circ}$ C)	-40 to 100	-40 to 100	-70 to 200	-65 to 165			
Minimum Bend Radius (inch)	0.15	0.15	0.12	0.30			
<b>Construction Data</b>							
Inner Conductor (inch)	Solid 0.011	Solid 0.011	Solid 0.011	Solid 0.012			
Dielectric (inch)	0.037	0.037	0.034	0.035			
First Outer Shield (inch)	0.047	0.047	0.047	0.040			
Second Outer Shield (inch)	N/A	N/A	N/A	0.049			
Third Outer Shield (inch)	N/A	N/A	N/A	N/A			
Jacket (inch O.D.)	N/A	N/A	N/A	0.063			