

Semi-Rigid, Conformable, Flexible Version 085 Size Cable Specifications

Description	SEMI-RIGID	SEMI-RIGID	SEMI-RIGID	CONFORMABLE	MINI-FLEX		
Cable Code	RG405	405TP	AL085	BJ085	105		
MIL Number	M17133-RG405	M17133-00001	M17133-00013	N/A	N/A		
Diameter	0.086	0.086	0.086	0.085	0.100		
Frequency, Max (GHz)	60	60	60	18	50		
Loss @ 5 GHz (dB)	46.0	46.0	46.0	55.0	48.0		
Electrical Data							
Impedance, nominal (Ω)	50	50	50	50	50		
Velocity of Propagation (%)	69.5	69.5	69.5	69.5	69.9		
Shielding Effectiveness, 1 GHz (dB/ft)	>100	>100	>100	>90	>90		
Capacitance (pF/ft)	32	32	32	29.5	29.4		
Delay (ns/ft)	1.46	1.46	1.46	1.46	1.45		
Mechanical Data							
Weight (lbs/100ft)	1.53	1.53	1.53	1.19	1.30		
Temperature Range ($^{\circ}$ C)	-40 to 125	-40 to 125	-40 to 125	-70 to 200	-65 to 80		
Minimum Bend Radius (inch)	0.17	0.17	0.17	0.12	0.25		
Construction Data							
Inner Conductor (inch)	Solid 0.020	Solid 0.020	Solid 0.020	Solid 0.020	Solid 0.020		
Dielectric (inch)	0.066	0.066	0.066	0.062	0.066		
First Outer Shield (inch)	0.086	0.086	0.086	0.085	0.082		
Second Outer Shield (inch)	N/A	N/A	N/A	N/A	?		
Third Outer Shield (inch)	N/A	N/A	N/A	N/A	N/A		
Jacket (inch O.D.)	N/A	N/A	N/A	N/A	0.100		