

Semi-Rigid, Conformable, Flexible Version 250 Size Cable Specifications



DOCUMENT No: FAMILY SEMI-
CONFORM-FLEX-250

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REV -

Description

	SEMI-RIGID	SEMI-RIGID					
Cable Code	RG401	250TP					
MIL Number	M17/129-RG401	M17/129-00001					
Diameter	0.250	0.250					
Frequency, Max (GHz)	18	18					
Loss @ 5 GHz (dB)	19.0	19.0					

Electrical Data

Impedance, nominal (Ω)	50	50					
Velocity of Propagation (%)	69.5	69.5					
Shielding Effectiveness, 1 GHz (dB/ft)	>100	>100					
Capacitance (pF/ft)	29.6	29.6					
Delay (ns/ft)	1.46	1.46					

Mechanical Data

Weight (lbs/100ft)	10.50	10.50					
Temperature Range ($^{\circ}$ C)	-40 to 125	-40 to 125					
Minimum Bend Radius (inch)	0.50	0.50					

Construction Data

Inner Conductor (inch)	Solid 0.064	Solid 0.064					
Dielectric (inch)	0.215	0.215					
First Outer Shield (inch)	0.250	0.250					
Second Outer Shield (inch)	N/A	N/A					
Third Outer Shield (inch)	N/A	N/A					
Jacket (inch O.D.)	N/A	N/A					