



Semi-rigid cable .047 (Tinned copper)



P/N: ST291 855 065

APPLICATION NOTE

This is the smallest semi-rigid cable size available at Radiall.

Its reduced size allows it to be easily handformable during integration operations.

Due to the outer conductor coating (tin), this cable will be used instead of standard .047 copper for applications requiring high corrosion resistance and improved solderability.

CONSTRUCTION / DIMENSIONS

	Material	mm	Inches
Center conductor	Solid SPCCS ⁽¹⁾	0.29	0.011
Dielectric	Solid PTFE ⁽²⁾	0.94	0.037
Inner shield	TC ⁽³⁾ tubing	1.19	0.047
Outer shield	-	-	-
Jacket	-	-	-

ELECTRICAL CHARACTERISTICS

Characteristic impedance	50Ω ± 2.5Ω	
Operating frequency range	DC - 20 GHz	
Shielding effectiveness	110 dB	
Voltage withstanding	2 000 V rms	
Peak power	1.1 kW	
Capacitance	100 pF / m	30 pF / ft
Velocity of propagation	70 % (4.8 ns / m)	