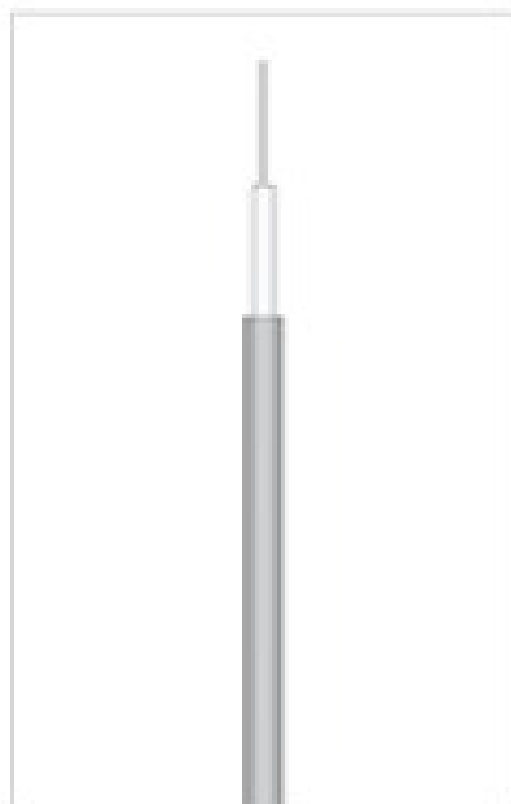




Semi-rigid cable .047 (Copper)



P/N: ST291 855 001

APPLICATION NOTE

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

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

CONSTRUCTION / DIMENSIONS

	Material	mm	Inches
Center conductor	Solid SPCCS ⁽¹⁾	0.29	0.011
Dielectric	Solid PTFE ⁽²⁾	0.94	0.037
Inner shield	Copper 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)	