

SR-085***Semi-Rigid Coaxial Cable****For information only***● General Information**

- Technical Basis MIL-C-17/133
- Max. Operating Voltage Max. 1500Vrms
- Operating Temperature Range - 40°C ~ 125°C

● Physical Structure

Component	Material	Diameter	Notice
① Center conductor	SPCW	0.511mm(0.02inch)	Solid type
② Dielectric	PTFE(Solid)	1.68mm(0.066inch)	
③ Outer Shield	TC(Tube)	2.20mm(0.087inch)	100% Coverage

● Electrical Data

Item	Specification	Remarks
Operating frequency	Max. 20 GHz	
Conductor resistance	Max. 2.57 Ω / 100ft	at 20°C
Dielectric resistance	Min. 1000 $M\Omega$.km	at 20°C
Test voltage	5000Vrms	1 min
Velocity of propagation	Nom. 69.5%	
Capacitance	Max. 32 pF/ft	
Characteristic impedance	50 $\pm$ 2 Ω	
Approx. weight	20.2 kg/km	
Nom. Attenuation	15.0dB/100ft(0.49dB/m)	at 500MHz
	22.0dB/100ft(0.72dB/m)	at 1MHz
	50.0dB/100ft(1.64dB/m)	at 5GHz
	80.0dB/100ft(2.62dB/m)	at 10GHz
	130.0dB/100ft(4.27dB/m)	at 20GHz

