

SF-085/50



Description Unjacketed Semi Flexible (Hand Formable) 085 Size 50 Ohm	Specication RG405 (Mil-C-17/133) Type
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CONSTRUCTION

NO	ITEM	MATERIAL	DIAMETER	REMARK
1	CENTER CONDUCTOR	SPCW	0.53 ± 0.02mm	
2	DIELECTRIC	PTFE	1.68 ± 0.03mm	SOLID
3	OUTER SHIELD	TC	2.2 ± 0.05mm	Braid/100% COVERAGE

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SPCW	PTFE	TC	PVC	FEP
Silver Plated Copper clad steel Wire	Polytetrauroethylene	Tinned Copper	Polyvinyl Chloride	Fluorinated Ethylene Propylene

ELECTRICAL DATA

ITEM	SPECIFICATION
Operating frequency	Max. 20 GHz
Conductor resistance	Max. 2.57 Ω / 100ft (20℃)
Dielectric resistance	Min. 1000MΩ .km (20℃)
Test voltage	5000Vrms (1min)
Velocity of propagation	Nom. 70%
Capacitance	95.2 pF/m
Characteristic impedance	50 ± 1.5Ω
Operating Temp	-40℃~125℃
Bending Radius	4.4 mm
Approx. weight	16.0 kg/km
Shielding Effect	100dB (max.)
Maximum Attenuation	1 GHz 0.72 dB/m 25.2 Watts
	5 GHz 1.64 dB/m 10.8 Watts
	10 GHz 2.62 dB/m 7.4 Watts
	20 GHz 4.27 dB/m - Watts