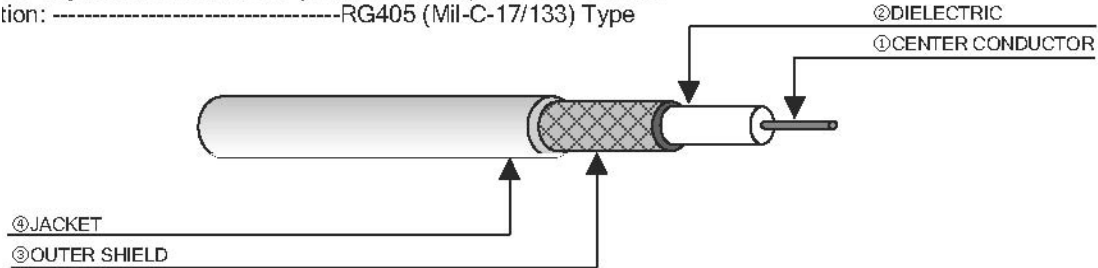


# SF-085SC

on: Unjacketed Semi Flexible (Hand Formable) 085 Size 50 Ohm  
 tion: -----RG405 (Mil-C-17/133) Type



## CONSTRUCTION

	ITEM	MATERIAL	DIAMETER	REMARK
①	CENTER CONDUCTOR	SPCW	0.52±0.005mm	
②	DIELECTRIC	PTFE	1.67±0.050mm	SOLID
③	OUTER SHIELD	TC	2.18±0.025mm	BRAID/100% COVERAGE
④	JACKET	PVC/FEP	2.78±0.200mm	BLACK/BLUE/CLEAR/ RED

- \* SPCW: Silver Plated Copper clad steel Wire
- \* PTFE: PolyTetraFluorEthylene
- \* TC: Tinned Copper
- \* PVC: Polyvinyl Chloride
- \* FEP: Fluorinated Ethylene Propylene

## ELECTRICAL DATA

ITEM	SPECIFICATION		
BEND RADIUS	4.5 mm (min)		
CONDUCTOR RESISTANCE	65.7 Ohms/Mft at 20°C (max.)		
CAPACITANCE	95.1 pF/m (29.0 pF/ft) (nom.)		
CHARACTERISTIC IMPEDANCE	50 +/- 2 ohms		
DIELECTRIC CONSTANT	2.07(nom.)		
OPERATING FREQUENCY	20 GHz (max.)		
OPERATING TEMP	-40°C ~ +125°C		
SHIELDING EFFECT	-120 dB (max.).		
VELOCITY OF PROPAGATION	69.5 %(nom.)		
VOLTAGE WITHSTANDING	5,000 vrms @ 60 Hz		
WEIGHT	17kg/km (1.0 lbs/100ft)		
MAXIMUM ATTENUATION	Frequency (MHz)	dB/100ft (dB/M)	Power (Watts)
	500	15(0.49)	37.4
	1,000	22(0.72)	25.2
	5,000	50(1.64)	10.8
	10,000	80(2.62)	7.4
	20,000	130(4.27)	-

The data provided in this publication indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and all information is subject to change without prior notice.