

Products

Semi Flexible Cable

Cable Type : SF-085/50

Print 

Description: Unjacketed Semi Flexible (Hand Formable) 085 Size 50 Ohm

Specification: ----- RG405 (Mil-C-17/133) Type



CONSTRUCTION				
NO	ITEM	MATERIAL	DIAMETER	REMARK
①	Center Conductor	SPCW	$0.53 \pm 0.02\text{mm}$	
②	Dielectric	PTFE	$1.68 \pm 0.03\text{mm}$	SOLID
③	Outer Shield	TC	$2.18 \pm 0.05\text{mm}$	Braid/100% COVERAGE
④	Jacket(Optional)	PVC FEP	$3.10 \pm 0.05\text{mm}$ $2.78 \pm 0.05\text{mm}$	Black/Blue/Clear/Red

* SPCW : Silver Plated Copper clad steel Wire

* PTFE : Polytetrafluoroethylene

* TC : Tinned Copper

* FEP : Fluorinated Ethylene Propylene

* PVC : Polyvinyl Chloride

ELECTRICAL DATA			
ITEM	SPECIFICATION		
Operating frequency	Max. 20 GHz		
Conductor resistance	Max. 2.57Ω / 100ft (20℃)		
Dielectric resistance	Min. $1000 M\Omega \cdot \text{km}$ (20℃)		
Test voltage	5000Vrms (1min)		
Velocity of propagation	Nom. 69.5%		
Capacitance	Max. 32 pF/ft		
Characteristic impedance	$50 \pm 3\Omega$		
Approx. weight	16.0 kg/km		
Operating Temp	$-55^\circ\text{C} \sim 200^\circ\text{C}$		
Bending Radius	4.4 mm		
Maximum Attenuation	500 MHz	15 dB/100ft (0.49 dB/M)	37.4 Watts
	1 GHz	22. dB/100ft (0.72 dB/M)	25.2 Watts
	5 GHz	50 dB/100ft (1.64 dB/M)	10.8 Watts
	10 GHz	80 dB/100ft (2.62 dB/M)	7.4 Watts
	20 GHz	130 dB/100ft (4.27 dB/M)	—