

Semi-Flexible cable



Application

The low attenuation and high-frequency signal transmission property makes the cable suitable to be used in the wireless and micro wave measuring equipments.

Construction		CC670-047 SXE	CC670-086/75 SXE	CC670-141/25 SXE	CC670-141/100 SXE
	Material	Diameter(mm)	Diameter(mm)	Diameter(mm)	Diameter(mm)
Inner conductor	Silver Plated Copper Clad Steel	0.29	0.29	1.64	0.28
Dielectric	PTFE	0.94	1.68	3.00	2.98
Outer conductor	Tin Soaked Copper Braid	1.19	2.10	3.52	3.52
Sheath	PEP	1.60	2.50	4.10	4.10

Electrical Characteristics

Capacitance(pF/m)	95	63.5	190.4	47.6
Impedance(Ohm)	50	75	25	100
Velocity(%)	69.5	69.5	69.5	69.5
Operating frequency(GHz)	109	61	29	36
Time delay(ns/m)	4.7	4.7	4.7	4.7
Max. operating voltage(KV rms)	1.5	1.5	1.9	1.9
Min. screening effectiveness up 18 GHz (dB)	100	100	100	100

Mechanical Characteristics

Min. bending radius static(mm)	4	4	10	8
Min. bending radius repeated(mm)	20	20	40	40
Operating temp(°C)	-55 ~ 125	-55 ~ 125	-55 ~ 125	-55 ~ 125

Attenuation at 20°C

0.5 GHz	dB/100m	79.0	48.0	35.0	35.0
1.0 GHz	dB/100m	112.0	68.0	49.0	50.0
5.0 GHz	dB/100m	258.0	160.0	115.0	116.0
10.0 GHz	dB/100m	373.0	234.0	170.0	169.0
20.0 GHz	dB/100m	544.0	347.0	258.0	249.0