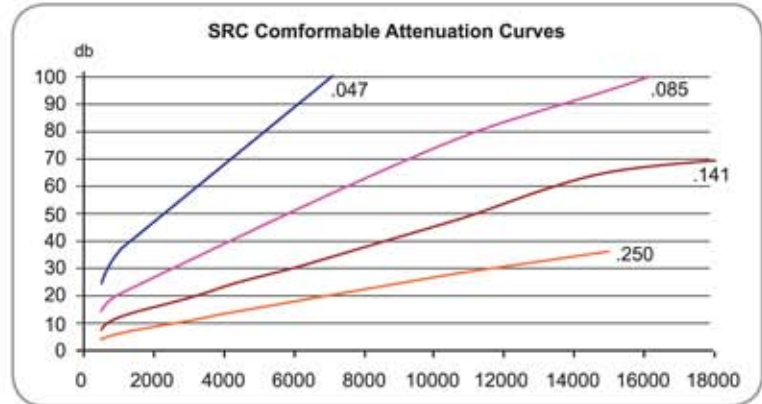




# SRC Conformable® (Hand Formable) Coax Cable Assemblies



- Excellent electrical performance – better power handling
- Durable, pre-treated *PTFE* dielectric and phase stable characteristics
- Hand formable: ideal for prototypes or as an alternative to semi-rigid
- Wide selection of connectors: suitable for most applications
- Demonstrate a more professional layout



SRC Conformable	.047	.085	.141	.250
<b>Center Conductor</b>	Silver Plated Copper Clad Steel	Silver Plated Copper Clad Steel	Silver Plated Copper Clad Steel	Solid Copper
Dimension in. (mm)	.007 (.18)	.020 (.51)	.036 (.91)	.065 (1.65)
Dielectric	PTFE .033	PTFE .066	PTFE .116	PTFE .209
Jacket	Cu/Sn Composite	Cu/Sn Composite	Cu/Sn Composite	Cu/Sn Composite
Min. Inside Bend in. rad	.125"	.125"	.250"	.375"
Outside Dia in. (mm)	.047 (1.19)	.085 (2.16)	.141 (3.58)	.250 (6.35)
Impedance	50	50	50	50
Capacitance	30.0	29.5	29.3	29.6
Velocity of Propagation	70%	70%	70%	70%
Max Voltage vrms	1000	1500	1900	5000
Frequency Range	DC to 20GHz	DC to 20GHz	DC to 20GHz	DC to 18GHz
Temperature range °C	-65+150	-65+150	-65+150	-65+150
<b>Attenuation (dB/100ft)</b>				
.5GHz	25.0	15.0	8.0	4.4
1GHz	36.0	20.8	12	6.7
10GHz	128	74	45	27
15GHz	162	95	65	36
20GHz	192	118	70	NA
<b>Power (W)</b>				
.5GHz	45	180	600	1900
1GHz	32.5	130	450	1400
10GHz	13	35	120	350
15GHz	11	26	88	200
20GHz	10.5	20	70	NA

SRC offers this hand formable flexible alternative to standard 047, 085, 141 and 250 semi rigid coax. Utilizing a unique copper-tin composite shield and a durable, well performing *PTFE* dielectric, this cable is easy to bend by hand. Conformable coax cable assemblies may be used for test instrument cable prototypes, or for aerospace, commercial or military radar and microwave equipment when the design isn't quite ready to commit to final spec, but you want the benefit of a phase stable, low loss cable that will exhibit electrical properties comparable with the final design.

You may easily bend and re-bend the cable to accommodate design changes, and when necessary change the cable shape, thereby overcoming the expense of a commitment to semi rigid until you're ready. We can pre-treat the dielectric and our precision CNC controlled cable saw and connector fabrication will assure you have a predictable benchmark from which your final design can be established. We're also happy to pre-bend it to your specs on our CNC cable bend equipment. This product's excellent minimum bend radius will facilitate your best designs. It can be configured with your choice of connectors, depending upon the frequency of your application, including: MCX, MMCX, SMA, SMB, SMC, SSMA, SSMB, SSMC, TNC, N, 3.5mm, GPO (SMP), GPPO (SSMP), 2.9mm (K), 2.4mm and 1.85mm (V).

An SRC Conformable coax assembly gives you the ability to demonstrate a more professional layout that is important to gain final design approval for your test instrument prototype or your next microwave design. Once you have the geometry you need, you can send us the bent cable and we'll replicate it for you in semi rigid for production quantities.