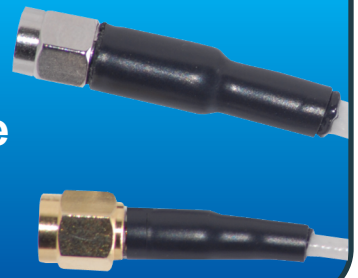


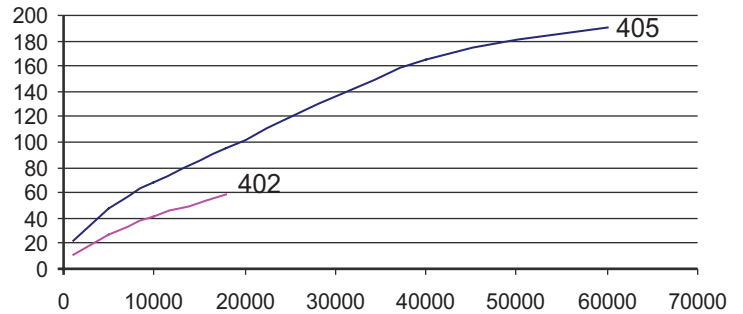


SRC SteelFlex® Flexible Alternative for RG405 / RG402



- Flexible alternative for 085 (405) and 141 (402) semi rigid coax
- Low cost with good electrical performance
- 110dB Shielding superior to standard RG405 and RG402
- .5 in (405) and .8 in (402) bend radius: stable after multiple flexures
- Custom, armorized metal boots & PVC shrink for durable solder joints

SRC SteelFlex Attenuation Curves



We developed this cable to be a flexible alternative to standard 085 coax (RG405) and 141 (RG402) semi rigid coax. Using proven off-the-shelf semi rigid direct soldered connectors makes these assemblies cost effective. The connector ends have custom, armorized metal boots and heavy-duty PVC shrink that make the solder joints extremely durable. SteelFlex is an excellent choice for tactical or electronic warfare applications or for higher frequency test cables and detachable interconnects that demand low attenuation in an affordable low loss flexible coax cable.

SRC SteelFlex 50 Ohm cables are assembled to your specs and available with your markings. This versatile flexible cable is right when you need a coaxial cable that must be phase stable, withstand multiple flexures, provide greater power handling capability, exhibit low attenuation comparable to semi rigid and have shielding greater than 110dB. SteelFlex is designed to offer a good bend radius, angle of flex and stable electrical properties after multiple flexures. It may be armorized and can be configured with a very wide 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).

SRC Steel-Flex®

405

402

		405	402
Center Conductor		Silver Plated Copper Clad Steel	Silver Plated Copper Clad Steel
Dimension	in. (mm)	.020 (.51)	.037 (.91)
Dielectric		PTFE .064	PTFE .117
Jacket		FEP .104	FEP .163
Min. Inside Bend	in. rad	0.5 in.	0.8 in.
Impedance	Ohm	50	50
Capacitance	pF/ft @ 1 GHz	29.4	29.4
Velocity of Propagation		70%	70%
Max Voltage	v _{rms}	2,000	5,000
Frequency Range		.05 to 60GHz	.05 to 34GHz
Temperature range	°C	-65+200	-65+200
Shielding		>110	>110
Max Structural VSWR		1.20:1	1.20:1
Attenuation	(dB/100ft)		
	1GHz	21.7	11.2
	5GHz	47	27
	10GHz	69	41
	18GHz	95	58
	40GHz	165	
	60GHz	191	
Power	(W)		
	1GHz	130	620
	6GHz	50	220
	12GHz	40	150
	18GHz	30	120
	40GHz	10	
	60GHz	10	