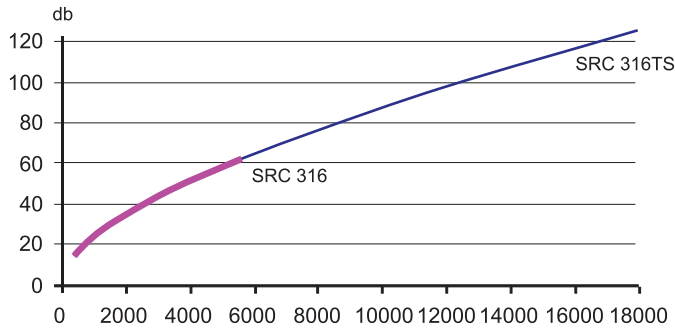




# SRC 316<sup>®</sup> and SRC 316 TS<sup>®</sup> Triple-Shield



- Replaces standard Mil-C-17 316, 174
- Pre-treated, cross-linked dielectric
- 90dB to 110dB Shielding vs. 40dB
- 20% Lower loss and twice as flexible
- Ideal for test cables, instrumentation, Milspec



SRC316 is a very affordable option that is about twice as flexible as standard RG and is suitable for high volume products or to replace Mil-C-17 assemblies with a slightly higher performance option.

SRC316 and SRC316-TS "Triple Shield" was designed to replace standard RG316, RG174 and RG188 for a variety of microwave antenna, microwave component, test equipment, radar and tactical applications –when superior electrical performance and reliability are paramount. SRC316 and SRC316-TS both cables offer an advanced 'cross-linked' pre-treated dielectric and shielding above 110dB. SRC316-TS also performs well up to 18GHz.

This cable is well suited for short run, quick-turn custom assemblies or production test gear flexible cabling.

Depending upon the frequency of your application, SRC316 and SRC316TS may be assembled with MCX, MMCX, SMA, SMB, SMC, SSMA, SSMB, SSMC, TNC, N, GPO (SMP), and GPPO (SSMP) connectors.

If you need reverse polarity, a hard to find connector or special markings—just ask, we're glad to do it for you.

## SRC 316-TS (triple shield)

<b>Center Conductor</b>		Silver Plated Copper	
Dimension	in. (mm)	.0201	(.51)
Dielectric		X-Linked Polyolefin	
Shield 1		Al Mylar Tape	.003 (.076)
Shield 2		SC	97% covg.
Shield 3		SC	97% covg.
Jacket		Radox (Yellow)	.115 O.D.
Min. Inside Bend	in. rad	0.30	
Impedance	Ohm	50	
Capacitance	pF/ft @ 1 GHz	29	
Velocity (propagation)	% of c	71	
Shielding	dB	110	
Max Voltage	vrms	1,500	
Temperature range	°C	-40 +105	
Flame rating		UL 1581	
<b>Halogen</b>		IEC 754 approved	
<b>Frequency</b>		<b>Attenuation</b>	<b>Power</b>
		dB/100ft	W
	400 MHz	14.6	60
	900 MHz	21.8	50
	2 GHz	34.6	20
	6 GHz	64.5	10
	12 GHz	97.7	10
	18 GHz	125.8	10

## SRC 316

<b>Center Conductor</b>		Silver Plated Copper	
Dimension	in. (mm)	.0201	(.51)
Dielectric		X-Linked Polyolefin	
Shield 1		Al Mylar Tape	.003 (.076)
Shield 2		SC	97% covg.
Jacket		PVC (White)	
Min. Inside Bend	in. rad	0.25	
Impedance	Ohm	50	
Capacitance	pF/ft @ 1 GHz	31	
Velocity (propagation)	% of C	66	
Shielding	dB	90	
Max Voltage	vrms	500	
Temperature range	°C	-40 +105	
Flame rating		UL 1581	
<b>Frequency</b>		<b>Attenuation</b>	<b>Power</b>
		dB/100ft	W
	400 MHz	14.8	60
	900 MHz	22.0	50
	2 GHz	34.8	20
	6 GHz	64.8	10