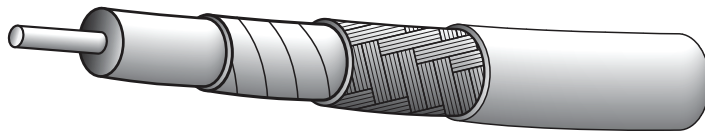


SS (Spiral Strip) Coaxial Cable

- s spiral strip shield
- s ame attenuation as semi-rigid coax



Construction:

Center Conductor: solid silver plated copper (SPC) or silver plated copper clad steel (SCCS)

Dielectric: solid PTFE

Inner braid: spiral strip of silver plated copper strip

Outer shield: round silver plated copper

Jacket: blue FEP

Physical Characteristics:

Center Conductor
 Center Conductor Diameter
 Dielectric Diameter
 Inner Shield Diameter
 Outer Shield Diameter
 Overall Diameter

 Weight (lbs./MFT)
 Operating temperature range (° C)
 Min. recommended bend radius

Electrical Characteristics:

Impedance (ohms)
 Capacitance (pF/ft.)
 Velocity of propagation (%)

 Attenuation (dB/100 ft)
 @ 400 MHz
 1 GHz
 2 GHz
 2.4 GHz
 3 GHz
 5 GHz
 10 GHz
 18 GHz

 Cut-off frequency (GHz)
 Shielding effectiveness

	SS401	SS402	SS405	SS75086
Center Conductor	SPC	SCCS	SCCS	SCCS
Center Conductor Diameter	.0659"	.037"	.0201"	.0113"
Dielectric Diameter	.209"	.117"	.064"	.064"
Inner Shield Diameter	.217"	.128"	.071"	.074"
Outer Shield Diameter	.250"	.141"	.086"	.086"
Overall Diameter	.275"	.163"	.104"	.100"
Weight (lbs./MFT)	93	32	14	14
Operating temperature range (° C)	-55 +200	-55 +200	-55 +200	-55 +200
Min. recommended bend radius	1.4"	0.8"	0.5"	0.5"
Impedance (ohms)	50	50	50	75
Capacitance (pF/ft.)	29.4	29.4	29.4	19.5
Velocity of propagation (%)	70	70	70	70
Attenuation (dB/100 ft)	Typ / Max	Typ / Max	Typ / Max	Typ / Max
@ 400 MHz	4.2 / 4.5	7.1 / 8.0	13.5 / 14.0	13.5 / 14.0
1 GHz	7.2 / 7.5	11.2 / 13.0	21.7 / 30.0	22.0 / 24.0
2 GHz	11.0 / 12.0	16.5 / 18.5	29.0 / 32.0	31.0 / 34.0
2.4 GHz	12.5 / 13.5	18.0 / 20.0	33.0 / 35.0	34.0 / 37.0
3 GHz	14.0 / 16.0	21.0 / 23.0	37.0 / 39.0	38.0 / 41.0
5 GHz	18.0 / 22.0	27.0 / 30.0	47.0 / 52.0	50.0 / 55.5
10 GHz	28.0 / 33.0	41.0 / 45.0	69.0 / 80.0	71.0 / 84.0
18 GHz	40.0 / 48.0	58.0 / 64.0	95.0 / 110.0	98.0 / 115.0
Cut-off frequency (GHz)	20.0	34.0	63.0	72.0
Shielding effectiveness	< -110 dB	< -110 dB	< -110 dB	< -110 dB

All figures referenced above are nominal unless otherwise specified.