

# SS (Spiral Strip) Coaxial Cable



## Construction:

Center conductor: Solid silver plated copperweld

Dielectric: Solid PTFE

Inner shield: Spiral strip of silver plated copper

Outer braid: Round silver plated copper

Jacket: Solid blue FEP

Operating temperature: -55 +200° C

Velocity of Propagation: 70%

Shielding Effectiveness: <-110 dB

	<b>SS402</b>	<b>SS405</b>	<b>SS75086</b>
Center conductor diameter	.037"	.0201"	.0113"
Dielectric diameter	.117"	.064"	.064"
Diameter over inner shield	.128"	.071"	.074"
Diameter over outer braid	.141"	.086"	.086"
Overall diameter	.163"	.104"	.100"
Weight (lbs/mft)	32	14	14
Bend radius	0.8"	0.5"	0.5"
Impedance (Ohms)	50	50	75
Capacitance (pF/ft)	29.4	29.4	19.5
Attenuation (dB/100ft) @	<b>Typ/Max</b>	<b>Typ/Max</b>	<b>Typ/Max</b>
400 MHz	6.4 / 8.0	11.9 / 14.0	12.4 / 14.0
1 GHz	10.5 / 13.0	19.2 / 23.0	19.9 / 24.0
2 GHz	15.5 / 18.5	27.7 / 32.0	28.8 / 34.0
2.4 GHz	17.2 / 20.0	30.6 / 35.0	31.7 / 37.0
3 GHz	19.5 / 23.0	34.5 / 39.0	35.8 / 41.0
5 GHz	26.3 / 30.0	45.7 / 52.0	47.3 / 55.5
10 GHz	40.1 / 45.0	67.5 / 80.0	69.8 / 84.0
18 GHz	58.3 / 64.0	95.1 / 110.0	98.2 / 115.0
Cut-off frequency (GHz)	34.0	63.0	72.0

**Additional constructions are available.**

**Although higher cut-off frequencies are referenced, attenuation is tested only up to 18 Ghz. If a higher frequency performance is required, please contact the factory.**