



Construction		OD (In.)
1 Conductor:	30 AWG 7/38 Silver Plated Copper Coated Steel (SPCCS)	0.012 +/- 0.001
2 Dielectric:	Extruded Solid Polytetrafluoroethylene (PTFE)	0.033 +/- 0.002
Color:	Natural	
3 Shield:	38 AWG Silver Plated Copper (SPC)	0.054 Max.
Coverage:	96%	
4 Jacket:	Extruded Fluorinated Ethylene Propylene (FEP)	0.071 +/- 0.004
Color:	Brown Tint	
Surface Print:	"M17/93-RG178 MIL-DTL-17 27478 "	

Physical Characteristics

1 Weight per 1000':	6.3 Lbs. Nom.
2 Minimum bend radius:	0.35"
3 Operating temperature range:	-55 C - 200 °C
4 RoHS compliance:	Complies with RoHS (Directive 2002/95/EC)

Electrical Characteristics

1 Impedance:	50	+/- 2 ohms
2 Capacitance:	32	pF/Ft. max.
3 Velocity of Propagation:	69.5%	nom.
4 Time Delay:	1.5	ns max.
5 Cut off Frequency:	116.14	GHz

6 Attenuation @:	Freq. (MHz)	Typical	Max.	
	50	10.5	11.6	dB/100 Ft.
	100	14.0	16.0	dB/100 Ft.
	400	29.5	33.0	dB/100 Ft.
	1000	48.0	52.0	dB/100 Ft.
	3000	87.0	94.0	dB/100 Ft.



Allied Wire & Cable, Inc. International Headquarters: 101 Kestrel Drive, Collegeville, PA 19426

Collegeville, PA	Tampa, FL	Merrimack, NH	Las Vegas, NV	Pewaukee, WI
P: 800-828-9473	P: 866-650-9473	P: 800-227-1025	P: 888-991-9473	P: 800-535-3271
F: 800-615-9473	F: 866-258-9510	F: 603-423-9391	F: 702-492-9600	F: 800-546-5563