

Table 1-3 Characteristics of Coaxial Lines Used In Communication Systems

Coaxial Cables										
RG #	AWG Material	Insulation	# Shields	Jacket	Nom. O.D. (inch)	Nom. Imp. (Ohms)	Nom. Vel. Of Prop.	Nom. Cap. (pF/ft.)	Nom. Attenuation per 100'	
									MHz	dB
58/U Jan-C-17-A	20 bare copper	Poly-ethylene	1 tinned copper	Black Vinyl	0.195	53.5	66%	28.5	100	4.1
									200	6.2
									400	9.5
									900	14.5
58A/U Jan-C-17-A	20 tinned copper	Poly-ethylene	1 tinned copper	Black Vinyl	0.195	50	66%	30.8	100	5.3
									200	8.2
									400	12.6
									900	20.0
58A/U Type	20 tinned copper	Cellular Poly-ethylene	1 tinned copper	Black Vinyl	0.195	50	78%	26.0	100	4.8
									200	6.9
									400	10.1
									900	15.5
59/U Jan-C-17-A	20 bare copperweld	Poly-ethylene	1 bare copper	Black Vinyl	0.242	73	66%	21.0	100	3.4
									200	4.9
									400	7.1
59/U Type	22 bare copper	Cellular Poly-ethylene	1 bare copper	Black Vinyl	0.242	75	78%	17.3	100	2.6
									200	3.8
									400	5.6
62/U Jan-C-17-A	22 bare copperweld	Semi-solid Poly-ethylene	1 bare copper	Black Vinyl	0.242	93	84%	13.5	100	3.1
									200	4.4
									400	6.3
									900	11.0
62A/U Type	22 bare copperweld	Semi-solid Poly-ethylene	1 bare copper	Black Vinyl	0.246	93	80%	14.5	100	3.1
									200	4.4
									400	6.3
									900	11.0
214/U MIL-C-17D	13 bare copper	Poly-ethylene	2 Silver coated copper	Black Vinyl	0.425	50	66%	30.8	100	2.0
									200	3.0
									400	4.7
									900	7.8

**Reference Information From
Electronic Transmission Technology, 2nd Edition, William Sinnema**