

TABLE 1—CAPACITANCE CHARACTERISTICS OF COMMON WIRES AND CABLES

Type	Total capacitance (nF)	Total length (ft)	Capacitance per ft (pF)	Resolution (in.)	Range (ft)
Twisted pair, 18 gauge	41	1100	37.3	32.2	2682.9
16-3 SJ	0.1	5	20	6	500
Category 3 phone, PVC	21.6	1000	21.6	55.56	4629.6
Category 3 phone, plenum	22.1	1000	22.1	54.3	4524.9
14-2 NMB	5.26	250	21	5.7	475.3
16-gauge speaker	0.98	30	32.7	3.67	306.1
18-gauge speaker	0.91	30	30.3	3.96	329.7
24-gauge speaker	1.69	75	22.5	5.33	443.8
20-gauge twin lead	0.68	100	6.8	17.65	1470.6
RG-6	0.47	25	18.8	6.38	531.9
RG-8			29.5	4.07	339
RG-25			50	2.4	200
RG-59			21	5.71	476.2