Open Wire Losses at 1000 Cycles

DRY WEATHER AND 68°F.

Wire Size	Gauge	Decibels per Mile: 6-Inch Spacing Sd.	8-Inch Spacing Sd.	8-Inch Spacing Ph.	12-Inch Spacing Sd.	12-Inch Spacing Ph.	18-Inch Pole Group and 1/2 Pole Group Sd.	18-Inch Pole Group and 1/2 Pole Group Ph.
Copper								
165	8BWG	.035	.033	.025	.030	.025	.028	.025
134	10BWG	-	-	-	.043	.036	.040	.036
128	10NBS	.053	.050	.038	.047	.038	.044	.038
114	9AWG	-	-	-	.057	.047	.053	.047
104	12NBS	.076	.072	.054	.067	.054	.062	.054
080	14NBS	-	.111	.082	.104	.087	.098	.087
Copper-Steel (40% Conductivity)								
165	8BWG	.083	.078	.055	.073	.059	-	-
128	10NBS	.126	.120	.086	.112	.092	-	-
104	12NBS	.169	.162	.120	.152	.127	-	-
080	14NBS	.245	.235	-	.223	.187	-	-
Copper-Steel (30% Conductivity)								
128	10NBS	.168	.160	-	.149	-	-	-
104	12NBS	.213	.204	-	.193	-	-	-
Steel								
203	6BWG	-	-	-	.195	.175	-	-
165	8BWG	-	-	-	.221	.200	-	-
148	9BWG	-	-	-	.235	.210	-	-
134	10BWG	-	-	-	.250	.220	-	-
109	12BWG	-	-	-	.289	.259	-	-
083	14BWG	-	-	-	.356	.330	-	-

Miscellaneous Wires (Wet Weather)	Circuit Layout Code	Decibels Per Mile
17 Ga. buried distribution wire non-loaded	U	1.2
17 " " " " Loaded L-44	U	0.6
18 Ga. parallel drop wire (pair per pair)	PD-PP	3.5
18 " " " " (" " wire)	PD-PW	0.7*
17 Ga. parallel drop wire (pair per pair)	PD-PP	2.6
17 " " " " (" " wire)	PD-PW	0.5*
14 HC Drop Wire-Pair per pair-Insulated from crossarm	TD-PP	1.0
14 " " " " " wire-4" Spacing-Insulated	TD-PW	0.2
14 HC drop Wire-Pair per wire-4" Spacing-Un-insul.	" "	0.3
14 " " " " " " 12" " " "	" "	0.2

* Assumes approximately same spacing as the open wire to which the drop wire connects.