

Open Wire Losses at 1000 Cycles  
DRY WEATHER AND 68°F.

Wire Size		Decibels per Mile							
		6-Inch Spacing		8-Inch Spacing		12-Inch Spacing		18-Inch Pole Group and 1/2 Pole Group	
		Sd.	Ph.	Sd.	Ph.	Sd.	Ph.	Sd.	Ph.
<u>Copper</u>									
165	8BWG	.035	.025	.033	.025	.030	.025	.028	.025
134	10BWG	-	-	-	-	.043	.036	.040	.036
128	10NBS	.053	.038	.050	.038	.047	.038	.044	.038
114	9AWG	-	-	-	-	.057	.047	.053	.047
104	12NBS	.076	.054	.072	.054	.067	.054	.062	.054
080	14NBS	-	.082	.111	.082	.104	.087	.098	.087
<u>Copper-Steel (40% Conductivity)</u>									
165	8BWG	.083	.055	.078	.055	.073	.059	-	-
128	10NBS	.126	.086	.120	.086	.112	.092	-	-
104	12NBS	.169	.120	.162	.120	.152	.127	-	-
080	14NBS	.245	-	.235	-	.223	.187	-	-
<u>Copper-Steel (30% Conductivity)</u>									
128	10NBS	.168	-	.160	-	.149	-	-	-
104	12NBS	.213	-	.204	-	.193	-	-	-
<u>Steel</u>									
203	6BWG	-	-	-	-	.195	.175	-	-
165	8BWG	-	-	-	-	.221	.200	-	-
148	9BWG	-	-	-	-	.235	.210	-	-
134	10BWG	-	-	-	-	.250	.220	-	-
109	12BWG	-	-	-	-	.289	.259	-	-
083	14BWG	-	-	-	-	.356	.330	-	-
<u>Miscellaneous Wires (Wet Weather)</u>						<u>Circuit Layout Code</u>	<u>Decibels Per Mile</u>		
17 Ga. buried distribution wire non-loaded						U	1.2		
17 " " " " " Loaded L-14						U	0.6		
18 Ga. parallel drop wire (pair per pair)						PD-PP	3.5		
18 " " " " " ( " " wire)						PD-FW	0.7*		
17 Ga. parallel drop wire (pair per pair)						PD-PP	2.6		
17 " " " " " ( " " wire)						PD-FW	0.5*		
14 HC Drop Wire-Pair per pair-Insulated from crossarm						TD-PP	1.0		
14 " " " " " wire-4" Spacing-Insulated						TD-FW	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.