

Open Wire Losses at Carrier Frequencies

155 to 410 Kilocycles

Copper or Copper-Steel Wire (a)

Wet Weather

Spacing (Inches)	Insulation (b)	Gauge (Mils)	Attenuation Loss in db Per Mile at Frequency of									
			155KC	185KC	200KC	215KC	230KC	290KC	320KC	350KC	380KC	410KC
6	CS	104	.427	.471	.491	.510	.529	.606	.640	.672	.704	.735
		128	.371	.408	.426	.443	.460	.529	.559	.588	.616	.644
		165	.313	.347	.361	.376	.391	.450	.476	.501	.526	.550
6	DP	104	.515	.573	.598	.624	.649	.753	.798	.840	.882	.924
		128	.454	.503	.526	.549	.572	.666	.706	.745	.783	.820
		165	.391	.437	.455	.476	.496	.578	.614	.648	.682	.715
8	CS	104	.412	.455	.475	.494	.513	.588	.622	.653	.684	.715
		128	.360	.398	.415	.432	.449	.517	.547	.575	.602	.630
		165	.305	.338	.352	.367	.382	.441	.467	.492	.516	.540
8	DP	104	.502	.558	.584	.610	.636	.738	.783	.825	.866	.908
		128	.448	.500	.522	.546	.569	.664	.705	.743	.780	.819
		165	.388	.433	.452	.473	.494	.578	.614	.648	.682	.716
12	CS	104	.397	.439	.459	.478	.496	.571	.604	.635	.665	.696
		128	.346	.383	.400	.417	.434	.501	.530	.558	.586	.613
		165	.294	.327	.341	.356	.370	.429	.455	.480	.504	.528
12	DP	104	.494	.551	.577	.603	.628	.731	.777	.819	.860	.903
		128	.439	.490	.512	.536	.560	.655	.696	.736	.775	.813
		165	.382	.429	.448	.470	.490	.576	.613	.648	.682	.716

(a) The above losses can be used for 30 or 40% conductivity copper-steel wire without substantial error.

(b) For CW insulation use values shown for DP insulation. Also for CSA and CSC use values shown for CS insulation.