Structural Return Loss and Singing Point

OPEN WIRE

Type of Facility			Structural Singing Point
Gauge (mils)	Material	S or P	
104, 128, or 165	Copper	S	27
104, 128, or 165	Copper	P	25
80	Copper	S	25
80	Copper	P	25
104, 128, or 165	Copper-Steel	S	27
104, 128, or 165	Copper-Steel	P	25
109	H.S. Steel	S	20
109	H.S. Steel	P	25
134	Steel	S	20
134	Steel	P	20

Notes: The structural singing point values of this section are for use in building up repeater section singing point and echo values for particular situations. They can be applied to any spacing for which a network is available and for any frequency in the voice band at which computations are made. The value of "20" shown for certain steel circuits, however, takes account of network design effects at low frequencies; 25 could be used for computing frequencies above 300 cycles if desired.

The copper-steel facilities consist of 40% conductivity material.