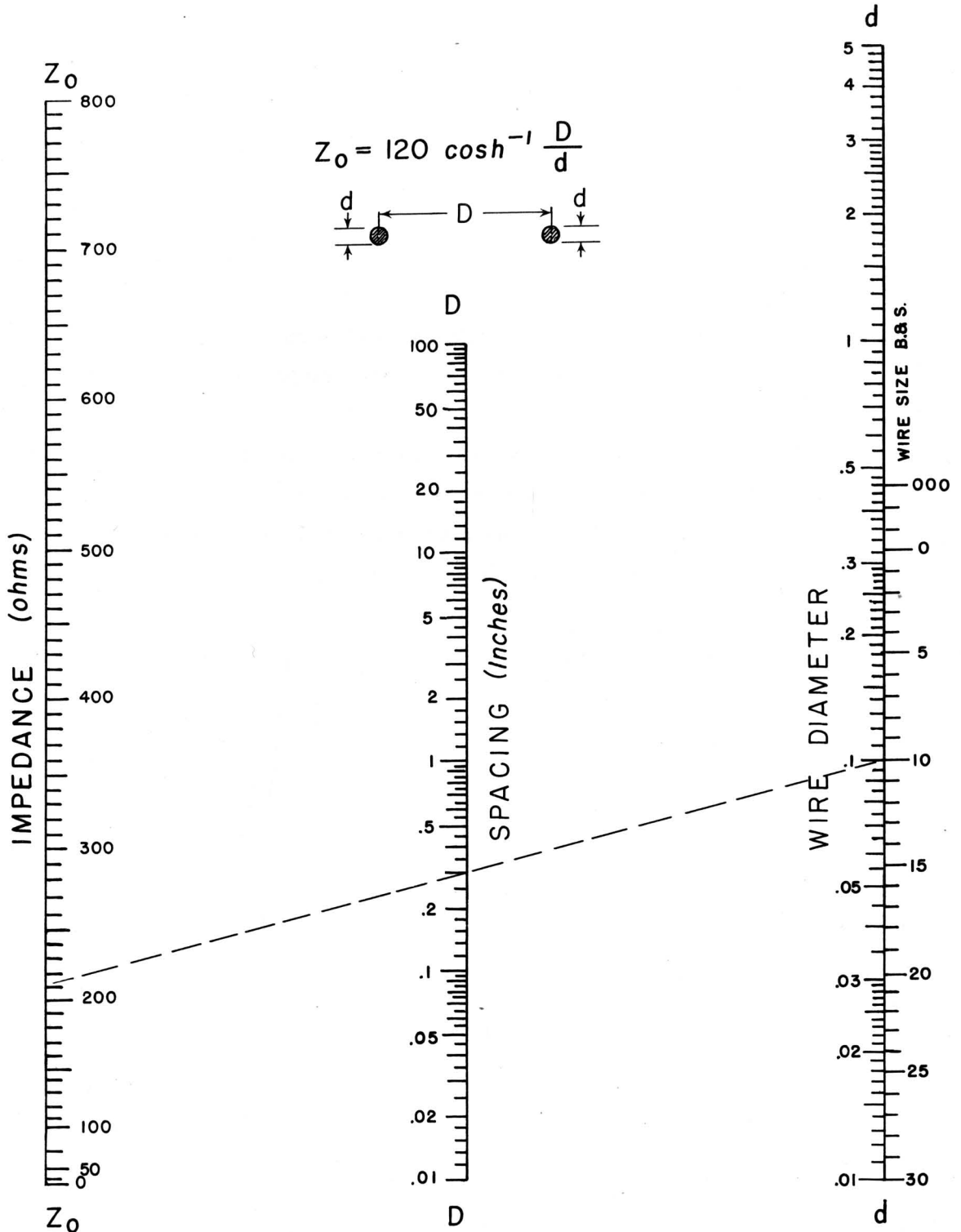




# Technical data

## CHARACTERISTIC IMPEDANCE OF LINES

### BALANCED TWO-WIRE LINE—AIR SPACED



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**CHARACTERISTIC IMPEDANCE OF LINES**  
**BALANCED TWO-WIRE LINE—AIR SPACED**

This chart gives theoretical exact values for any scale of dimensions if an air or vacuum dielectric is used with perfect conductors. The lines are assumed to be remote from any conducting plane. Line from  $d$  and  $D$  scales intersect the  $Z_0$  scale at the resulting value.

Example:  $d = 0.1$  cm     $D = 0.3$  cm     $Z_0 = 210$  ohms