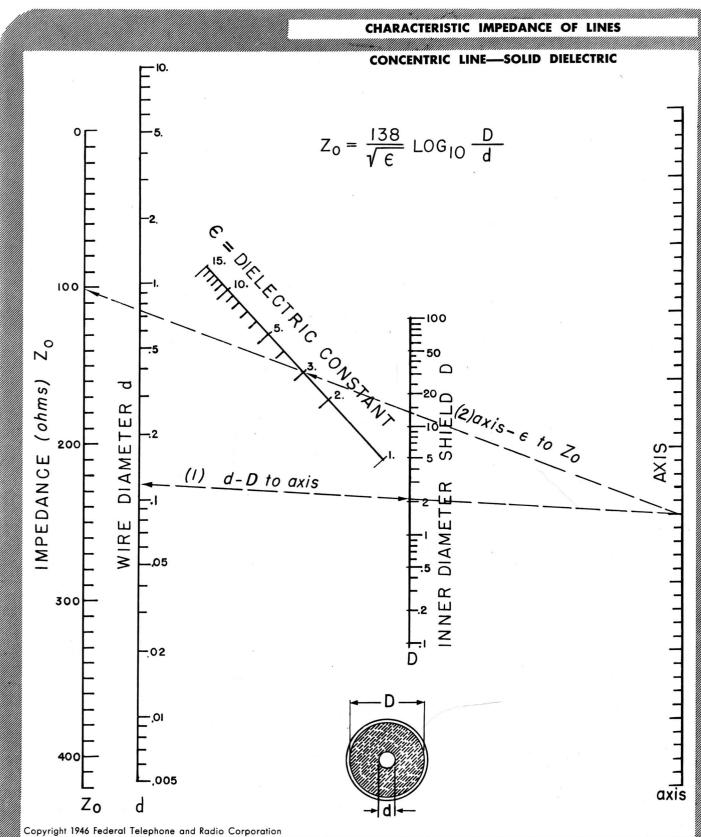


· Technical data





CHARACTERISTIC IMPEDANCE OF LINES CONCENTRIC LINE—SOLID DIELECTRIC

This chart gives theoretically exact values for any scale of dimensions, if lossless dielectric is assumed (filling completely the space between conductors), and perfect conductors. Line from d and D scales extends to the axis. From latter point a line through \mathcal{E} scale will intersect Z_{θ} scale at resulting value.

Example: d = 0.12 cm D = 2.1 cm $\epsilon = 3.0$ $Z_{\theta} = 102$ ohms