1) Positive and Negative Impedance:

$$R' = R_o\left[1 + \alpha_{20}(\theta - 20)\right]$$

Where R' = DC Resistance at max temp

$$R = R'\left(1 + y_s + y_p\right)$$

Where R = AC Resistance at max temp

R = 0.04764 Ω / km

$$L = K + 0.02 Ln\left(\frac{2S}{d}\right) \times 10^{-3}$$

Where L = Inductance

$$X = \omega\ L$$

Where X = Reactance

X = 0.162 Ω / km

Z = 0.04764 + J 0.162 Ω / km
