

## 2) Zero Sequence Impedance:

$R_0 = R_{ac}$  at 20° C without proximity effect + R metallic screen

$$R_0 = 0.0981$$

$$X_0 = 2 \pi f \times 10^{-3} [ 0.2 \ln (D/d) + K ]$$

$$X_0 = 0.08 \, \Omega / \text{km}$$

$Z_0 = 0.0981 + j 0.08 \, \Omega / \text{km}$
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