



Need, the resistance:

$$R = \frac{\rho L}{A} = \frac{\rho L}{\pi(r_o^2 - r_i^2)} = 0.3293 \Omega$$

For Nichrome:  $\rho = 1.5 \times 10^{-6} \Omega \cdot \text{m}$

Now,  $I = \frac{1}{R} \Delta V = \underline{\underline{9.111 \text{ A}}}$