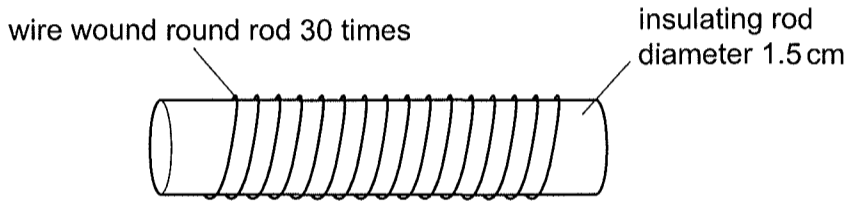


- 27 The material of a wire has resistivity  $1.3 \times 10^{-8} \Omega \text{m}$ . The wire has diameter 0.50 mm and its length is just enough to enable it to be wound tightly round an insulating rod 30 times. The rod has diameter 1.5 cm.



What is the resistance of the wire?

- A**  $1.1 \times 10^1 \Omega$       **B**  $9.4 \times 10^{-2} \Omega$       **C**  $7.0 \times 10^{-4} \Omega$       **D**  $4.7 \times 10^{-5} \Omega$