33 A metal wire of length 1.4 m has a uniform cross-sectional area of $7.8 \times 10^{-7}\,\text{m}^2$.

The resistivity of the metal is $1.7 \times 10^{-8}\,\Omega\,\text{m}$.

What is the resistance of the wire?

A $0.016\,\Omega$ **B** $0.031\,\Omega$ **C** $33\,\Omega$ **D** $64\,\Omega$