

**34** A wire of resistance  $9.55\Omega$  has a diameter of 0.280 mm.

It is made of metal of resistivity  $4.90 \times 10^{-7}\Omega\text{m}$ .

What is the length of the wire?

**A** 1.20 m

**B** 4.80 m

**C** 19.0 m

**D** 76.8 m