32 Gold is sometimes used to make very small connecting wires in electronic circuits.

A particular gold wire has length 2.50×10^{-3} m and cross-sectional area 6.25×10^{-8} m^2. Gold has resistivity 2.3×10^{-8} Ωm.

What is the resistance of the wire?

A 3.6×10^{-18} Ω

B 5.8×10^{-13} Ω

C 9.2×10^{-4} Ω

D 6.8×10^{-3} Ω