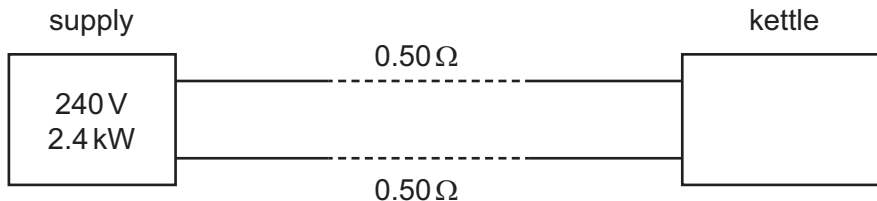32 The power output of an electrical supply is 2.4 kW at a potential difference (p.d.) of 240 V. The two wires between the supply and a kettle each have a resistance of 0.50 Ω, as shown.

What is the power supplied to the kettle and what is the p.d. across the kettle?

	power/kW	p.d./V
A	2.3	230
B	2.3	235
C	2.4	230
D	2.4	235