





























(i) Which **one** of the wires inside a three-core cable is missing from a two-core cable?

Draw a ring around your answer.

**earth wire**                      **live wire**                      **neutral wire**

**(1)**

(ii) Use a word from the box to complete the following sentence.

<b>double</b>	<b>extra</b>	<b>totally</b>
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A pottery table lamp fitted with a two-core cable is safe to use because it is \_\_\_\_\_ insulated.

**(1)**

(b) The cables connecting the power sockets in a building contain wires 1.8 mm thick. The maximum current that can safely pass through these wires is 20 amps. A fuse is included in the circuit to protect the wiring.

Explain how a fuse protects the wiring of a circuit.

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**(3)**

**(Total 5 marks)**