

- 1.3 The current in a conductor is 3.5 A. How many coulombs of charge pass any point in a time interval of 2.5 min?

Solution:

$$1.3 \quad I = 3.5 \text{ A} \quad \Delta t = 2.5 \text{ min} = 150 \text{ s}$$

$$Q = I(\Delta t) \quad \boxed{Q = 525 \text{ C}}$$

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