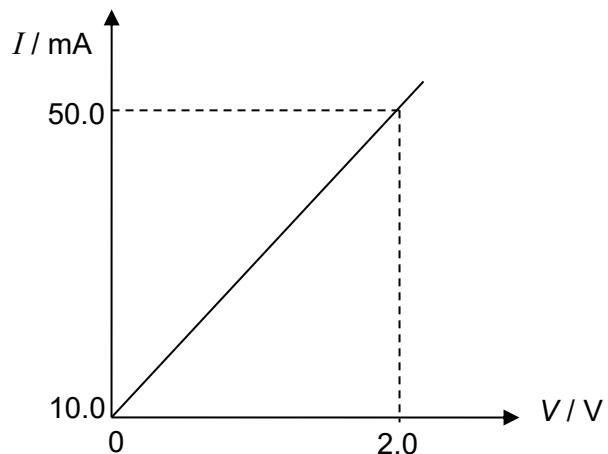


- 19 The following graph shows the  $I$ - $V$  characteristic of a certain conductor.



Which of the following statements about the conductor is correct?

- A It obeys Ohm's law and when  $V = 2.0 \text{ V}$ , resistance =  $40.0 \Omega$ .
- B It obeys Ohm's law and when  $V = 2.0 \text{ V}$ , resistance =  $50.0 \Omega$ .
- C It does not obey Ohm's law and when  $V = 2.0 \text{ V}$ , resistance =  $40.0 \Omega$ .
- D It does not obey Ohm's law and when  $V = 2.0 \text{ V}$ , resistance =  $50.0 \Omega$ .