

- 34 A manufacturer recommends that the longer the extension cord you use with an electric drill, the bigger the cross-sectional area of the cord should be.

What is a reason for this recommendation?

- A Resistance is inversely proportional to both the length and the cross-sectional area.
- B Resistance is inversely proportional to the length and directly proportional to the cross-sectional area.
- C Resistance is proportional to both the length and the cross-sectional area.
- D Resistance is proportional to the length and inversely proportional to the cross-sectional area.