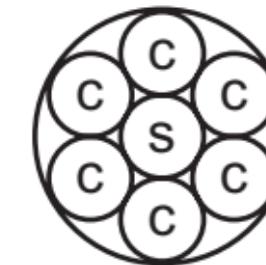


32 An electric power cable consists of six copper wires c surrounding a steel core s.



1.0 km of one of the copper wires has a resistance of 10Ω and 1.0 km of the steel core has a resistance of 100Ω .

What is the approximate resistance of a 1.0 km length of the power cable?

A 0.61Ω

B 1.6Ω

C 160Ω

D 610Ω

33 Which graph best represents the way the current I through a filament lamp varies with the