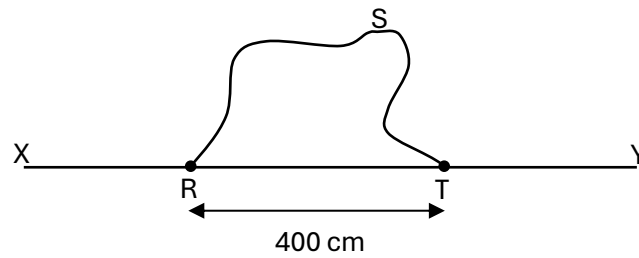


- 21 A wire RST is connected to another wire XY as shown.



Each wire is 1200 cm long with a circular cross section of diameter 1.6 mm and a resistivity of  $1.6 \times 10^{-6} \Omega \text{ m}$ .

What is the total resistance between X and Y?

- A  $2.7 \Omega$
- B  $4.8 \Omega$
- C  $8.8 \Omega$
- D  $13.6 \Omega$