

11.15.3

EE23BTECH11027 - K RAHUL*

QUESTION:

A steel wire has a length of 12.0 m and a mass of 2.10 kg. What should be the tension in the wire so that speed of a transverse wave on the wire equals the speed of sound in dry air at $20^{\circ}\text{C} = 343 \text{ ms}^{-1}$