

Answer:

$$l=125\text{cm}=1.25\text{m}$$

$$m=2.0\text{g}$$

$$F=7.0\text{N}$$

$$\text{we have } \rho = m/l = 0.0016\text{kg/m}$$

$$\text{Speed of wave is } v = \sqrt{F/\rho} = 66.2\text{m/s}$$