

4 factors that affect conductivity

1) Nature of the metal $Cu > NiCr$

2) Cross-sectional Area = thickness

\uparrow thickness = \uparrow conductivity

Gauge = \downarrow # gauge = \uparrow thickness =

18 = fat 26 = skinny \uparrow cond

3) length $\uparrow l = \downarrow$ cond

4) T $\uparrow T = \downarrow$ conduc.