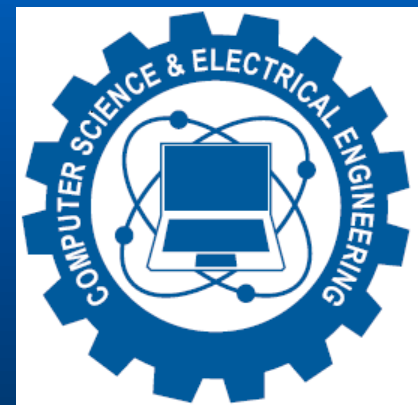


Ohm's Law



What is it?

- *mathematical relationship between current, voltage, and resistance*
- *basic analytical tool*

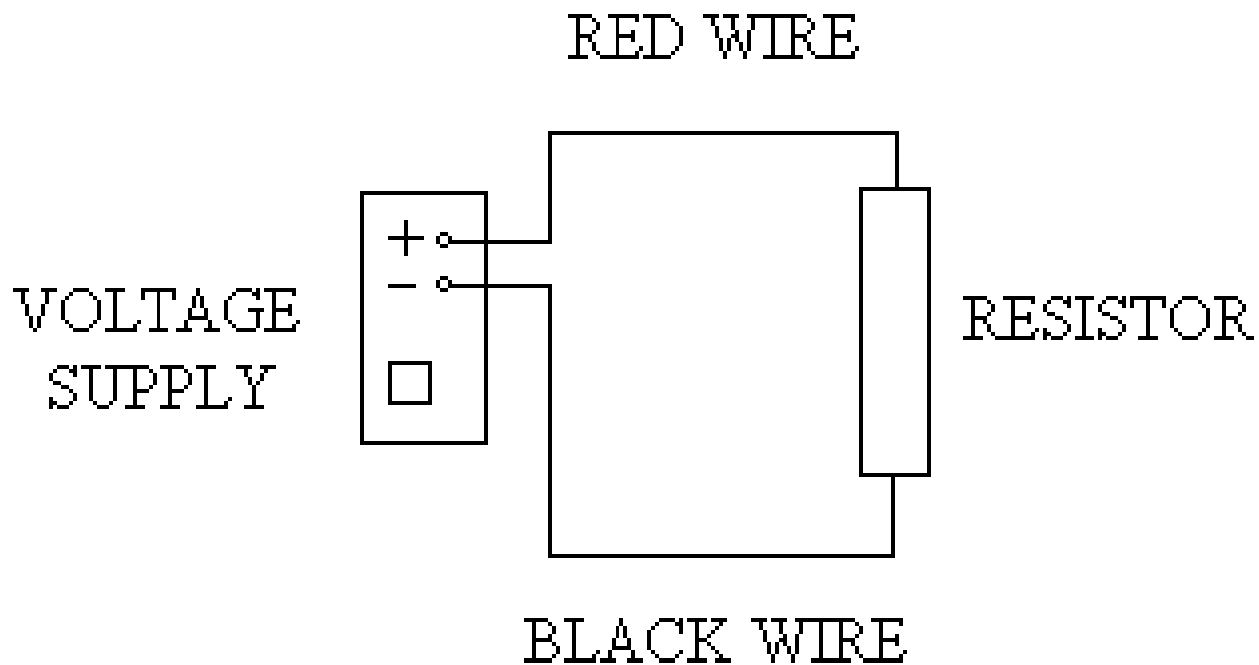
Table

Ohm's Law

The Relationship between Current, Voltage, and Resistance

Quantity	Symbol	Unit	Symbol	Formula	Definition
Voltage	E	Volt	V	$E=IR$	Electric Pressure (EMF)
Current	I	Ampere	A	$I=E/R$	Electron Flow
Resistance	R	Ohm	Ω	$R=E/I$	Opposition to Electron Flow

Circuit Wiring Diagram



Circuit Schematic

