Electricity and Circuits 2 Assignment – Cables

# Objective

To become familiar with common conductors and multi-conductor cables

# Assignment

Research the different types of conductor insulation and their uses; examples include:

* PV wire (polyvinyl)
* USE-2 (underground-service-entrance 2)
* THWN-2 (thermo-heat-water-nylon 2)

Include the following about conductors:

* Sizing charts (awg to cmill)
* Ampacity ratings (copper vs aluminum)
* Voltage ratings
* Colour
* Temperature ratings
* UV resistance ratings
* Moisture ratings

Research the different common types of multi-conductor cables and what each of their respective purpose is:

* Romex (non-metallic)
* MC (metal-clad)  
  TC (tray cable)