



Basic Electricity – Unit Four pt. 2: Conductor Sizing

Study Guide

In order to successfully complete this unit, complete the following tasks:

1. Review the course structure.
2. Watch: <https://www.youtube.com/watch?v=LH1Y5ZLtzKw>
Title: American Wire Gauge
Author: Audiopedia
3. Read “Wire Gauge and Current Limits Including Skin Depth and Strength” found at:
http://www.powerstream.com/Wire_Size.htm
4. Read “National Electrical Code Allowable Ampacities of Insulated Conductors Rated 0-2000 Volts” found at: <http://www.usawire-cable.com/pdfs/nec%20ampacities.pdf>
5. View the images of Wire Gauge Tools found at:
https://www.google.com/search?q=wire+gauge+tool&rlz=1C1GIGM_enUS564US567&es_sm=93&tbm=isch&tbo=u&source=univ&sa=X&ved=0CE0QsARqFQoTCKK61_nk7scCFYZ5Pgodn8YKoA&biw=1164&bih=581
6. Watch: <https://www.youtube.com/watch?v=AApboO3aj0>
Title: Electrical Wires
Author: electroninstructor
7. Watch: <https://www.youtube.com/watch?v=-yzCUuM9Nq0>
Title: American Wire Gauge (AWG) Standards - A GalcoTV Tech Tip
Author: GalcoTV
8. Complete the Assignment on the Current Capacity of a Wire Conductor and submit it to the instructor.





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