

## **Residential Wiring Required Contestant Tools**

Please remember that this information is in addition to the SkillsUSA 2010 National Technical Standards. Each contestant is required to be prepared according to the national technical standards. The materials list reflects the materials the contestant will be working with during the contest. This provides insights for how the contestant should prepare.

- Hammer
- Flat head screwdriver (trim)
- Phillips head screwdriver
- Hacksaw
- Wire strippers
- pair of channel locks (pliers)
- Sidecutters
- ½" EMT conduit bender
- Battery drill with Phillips tip

**MATERIAL LIST:**

- 1 - BOND WIRE
- 1 - 4" SQUARE METAL BOX w/ 1/2" KO's
- 2 - 1/2" EMT SS STEEL CONNECTORS
- 2 - 1/2" EMT SS STEEL COUPLINGS
- 15' - #12 THIN BLACK
- 15' - #12 THIN WHITE
- 15' - #12 THIN GREEN
- 2 - 1/2" EMT 1 HOLE STRAPS
- 1 - 20 AMP SINGLE RECEPTACLE
- 10 - RED WIRE NUTS
- 8 - SINGLE GANG / NAIL ON DEVICE BOXES
- 1 - LAMP BOX / NAIL ON
- 2 - 3 WAY SWITCHES
- 1 - 4 WAY SWITCH
- 10 - ROMEX STAPLES
- 25' - 12/2 ROMEX
- 20' - 14/2 ROMEX
- 10' - 14/3 ROMEX
- 1 - 20 AMP GFCI RECEPTACLE
- 3 - 20 AMP DUPLEX RECEPTACLES
- 1 - SINGLE POLE SWITCH
- 1 - KEYLESS LAMP SOCKET
- 1 - 125 AMP 1Ø LOAD CENTER
- 3 - 20 AMP 1POLE BREAKERS
- 1 - 15 AMP 1POLE BREAKER
- 4 - 3/8" ROMEX CONNECTORS
- 10 - MOUNTING SCREWS
- 1 - 60 WATT LAMP
- 10' - 1/2" EMT