Title: **Splicing and Terminating** Job: 2

Course: Electrical Applications Unit: Electrical Shop CLO: 7

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade \_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Objectives**

1. Student shall splice conductors using a mechanical connector.
2. Student shall splice conductors using wire nut connectors.
3. Student shall splice grounding conductors using the “Greenie” wire nut.
4. Student shall terminate conductors using a crimp connector.
5. Student shall terminate conductors on a device screw.

**Assessment**

Students shall demonstrate a comprehension of the objectives listed above by scoring a minimum of 75% on this Job. Grading shall be based on instructor evaluation.

**Materials**

|  |  |
| --- | --- |
| Student Provided Materials | **Department Provided** |
| Splicing kit | Scotch-Loc connectors |
| Necessary tools | Wire |

**Instructions**

Obtain the necessary materials from the Instructor. Complete all five sections before having the Instructor check your work.

1. Mechanical Splice Connector Instructor Initials: \_\_\_\_\_\_
   1. Scotch-Loc, 14AWG stranded, 14AWG solid
   2. Split-Bolt, 6AWG stranded
2. Wire Nut Splice Connectors Instructor Initials: \_\_\_\_\_\_
   1. Two 14 AWG solid
   2. Three 14AWG solid
   3. Two 12AWG stranded
   4. One 18AWG stranded one 14AWG solid
3. Grounding Pigtail (“Greenie” Wire Nut) Instructor Initials: \_\_\_\_\_\_
   1. A. One 14AWG bare solid (through the hole); two 14AWG solid green (pigtail)
4. Crimp Termination Instructor Initials: \_\_\_\_\_\_
   1. One 14AWG solid conductor – Insulated Termination
   2. One 14AWG solid conductor – Non-Insulated Termination
5. Screw-type Termination Instructor Initials: \_\_\_\_\_\_
   1. One 14AWG solid black on the brass screw and one 14AWG solid white on the silver screw of a receptacle.
   2. One 12AWG stranded black on the brass screw and one 12AWG stranded white on the silver screw of a receptacle.

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