204: Installation of wiring systems and enclosures  
**Worksheet 4-020: PVC/SWA/PVC armoured cable termination**

**NB**: Students must not attempt this exercise before the correct use of all tools and materials has been demonstrated.

**Technical data**

* You are to make sure that your work area is clear and safe for work to proceed.
* You are to make sure that all your work conforms to the requirements of the Health and Safety at Work Act.
* All practical electrical installation exercises must comply with BS7671 (IET Wiring Regulations).
* The work area must be restored to a satisfactory condition on completion.

**Material required**

|  |  |
| --- | --- |
| 500mm | Cable 6943X 2.5mm2 stranded SWA black XLPE/PVC |
| 1 off | BW20 cable gland and shroud |

**Procedure**

1. Enter the start time on the assessment sheet.
2. Prepare the material requisition for the required materials.
3. **Have the requisition checked before proceeding.**
4. Obtain the material from the stores.
5. Complete the termination at one end of the cable.
6. **Notify the Lecturer that the work is ready for assessment.**
7. Enter the finish time on the assessment sheet.

|  |
| --- |
| Task 04-030 PVCSWAPVC Termination.png |

Assessments are based on **observed** safety procedures, and the **quality** and **accuracy** of the completed exercise.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | **YES** | **NO** |
| **1.** | Material requisition correct first time | | **□** | **□** |
| **2.** | Method statement completed | | **□** | **□** |
| **3.** | Exposed armouring appropriate length | | **□** | **□** |
| **4.** | Serving sheath removed to appropriate length | | **□** | **□** |
| **5.** | Bedding sheath removed to appropriate length | | **□** | **□** |
| **6.** | No damage to conductor insulation | | **□** | **□** |
| **7.** | Gland correctly assembled | | **□** | **□** |
| **8.** | Armouring appropriately held by gland | | **□** | **□** |
| **9.** | Shroud fitted properly | | **□** | **□** |
| **10.** | Overall appearance to a commercially acceptable standard | | **□** | **□** |
| **11.** | Work area conformed to requirements of HASAWA | | **□** | **□** |
| **12.** | Correct safety procedures observed at all times | | **□** | **□** |
| Assessed by: ………....………….. | | |  | |
| Start Date & Time: ………………........………….. | | Finish Date & Time: ……...…...........…………… | | |
| Target Time: 90 minutes | | Time Taken: …………………….........…………… | | |