**EAL Level 3 Experienced Worker Qualification**

**603/5982/1**

**Job Number \_\_\_\_**

**Terminate and Connect Conductors**

**Site Evidence Unit 05**

**

**NAME:**

**COMPANY:**

**EMAIL:**

**TEL:**

**SUPERVISOR:**

**ASSESSOR:**

|  |  |
| --- | --- |
| **Unit Code: (ETKP3-05)**  **Terminate and Connect Conductors** | |
| **Learning Outcome 1:**  Prepare to terminate and connect cables and conductors. | |
| Photo of you:-   1. Photo of selecting appropriate tools 2. Photo of wearing PPE   This evidence could possibly be used on  01.2.2(a)(b)(c)  01.2.5  04.1.1(a)   1. Produce your own risk assessment and method statement.   Copy in miscellaneous and reference it to 05.1.1(C) job number 1/2  This evidence could possibly be used on  01.1.2  01.1.3(a)(b)  03.2.1  04.1.1(b)  06.2.1 | ***Learning outcome****: 1.1*  ***Criteria****: Evaluate and apply appropriate procedures to include:*  *a) Selecting appropriate tools/equipment to enable termination and connection*  *b) Adopting appropriate PPE*  *c) Following a safe system of work (e.g. risk assessment, method statement, permit to work procedure)*    **Address:**  **Date:** |
| 1. Photos of you carrying out safe isolation:- 2. Locking off with warning label 3. Proving instrument on known supply 4. Testing between all conductors 5. Re-proving instrument on known supply   This evidence could possibly be used on  01.1.3(c)  06.1.1  07.1.3   1. Photo of you checking the equipment is mechanically sound before making connections.   This evidence could possibly be used on  05.2.4   1. Photo of you checking there is nothing unsafe before making connections. | ***Learning outcome****: 1.2*  ***Criteria****: Assess and confirm it is safe to complete termination and connection in terms of:*  *a) checking for presence of supply/carry out safe isolation*  *b) mechanical soundness of the electrical equipment to be connected to*  *c) checking for unsafe situations*  **Address:**  **Date:** |
| **Learning Outcome 2:**  Terminate and connect conductors and cables | |
| Photos of terminating (not installing) **any** **4** off the list:-   1. Single core (singles) show **at least 3 photos** 2. Multicore insulated cable **at least 3 photos** 3. Twin and earth show **at least 3 photos** 4. MICC show **at least 4 Photos** 5. FP200 show **at least 3 photos** 6. SWA show **at least 4 Photos** 7. SY show **at least 4 Photos** 8. Data show **at least 4 Photos** | ***Learning outcome****: 2.1*  ***Criteria****: Terminate and connect cables and conductors in accordance with manufacturer’s instructions, BS7671 and any relevant drawing or specification:*  ***Cover Four:***  *a) Single core (singles)*  *b) multicore insulated cable*  *c) PVC/PVC flat profile cable (twin and earth)*  *d) MICC cable*  *e) fire performance (such as FP200etc.)*  *f) SWA cable*  *g) GSWB galvanised steel wire braid*  *h) data cable*  **Address:**  **Date:** |
| Photos of terminating (not installing) **any** **5** off the list.  These should show **at least 2 photos** of each:-  One making off the end of the cable and one connecting to the terminal. | ***Learning outcome****: 2.2*  ***Criteria****: Connect to electrical equipment*  *In accordance with manufacturer’s instructions, BS7671, and any relevant drawing or specification:*  ***Cover Five:***  *a) isolators/switches*  *b) socket-outlets*  *c) distribution-boards/consumer units*  *d) luminaires*  *e) electric motors/motor control equipment*  *f) overcurrent protective devices*  *g) earthing terminals*  *h) control panels*  *i) data socket outlets or data connections*  *j) fire detection/alarm components*  *k) other appropriate equipment (such as: heating system components etc.)*  **Address:**  **Date:** |
| Photos of terminating **any** **2** off the list. | ***Learning outcome****: 2.3*  ***Criteria****: Terminate and connect conductors using appropriate methods:*  ***Cover Two:***  *a) screwing*  *b) crimping*  *c) soldering*  *d) non-screw compression*  *e) insulation displacement*  **Address:**  **Date:** |
| Photo of you checking tightness of conductors.  (torque screwdriver OR tug test)  This evidence could possibly be used on  05.1.2(b) | ***Learning outcome****: 2.4*  ***Criteria****: Ensure that terminations and connections are electrically and mechanically sound (e.g. by simple inspection and testing terminations)*  **Address:**  **Date:** |
| Photos of you putting on coloured (could be green/yellow) oversheath or numbered labels. | ***Learning outcome****: 2.5*  ***Criteria****: Ensure cables have appropriate identification in accordance with BS7671.*  **Address:**  **Date:** |