



**National Certificate in Electricity Supply (Cable Jointer – Low Voltage)**

level of qualification: 3

credit total: 77

**Purpose and content of the National Certificate**

**Purpose:**

This National Certificate includes the following cable jointer work; jointing and terminating low voltage live polymeric and paper cables, polarity and phasing, and installing pad mounted electrical equipment. It meets the requirements for registration as a line mechanic with cable jointer limitation with the Electrical Workers Registration Board.

**Content:**

**Compulsory unit standards**

		level	credit
<b>core skills</b>			
12296	Apply earths to and remove earths from electrical conductors, plant and equipment	3	2
18027	Draw sketches and interpret electricity supply service plans	2	4
18273	Demonstrate knowledge of the sources, origin, basic composition, and properties of electricity	2	5
18276	Operate light lifting and rigging equipment in the electricity supply environment	2	2
19950	Use test instruments and carry out electrical testing in the electricity supply industry	3	3
23897	Demonstrate knowledge of power transformer theory for electricity supply	2	3
23898	Carry out polarity and phasing on LV electricity networks	3	2
<b>distribution networks</b>			
10543	Identify and protect underground services during excavation and reinstatement	3	10
12298	Install pad mounted electrical equipment	4	6
18026	Carry out a rescue from an electricity supply services pit	3	2

		level	credit
20069	Joint live LV paper insulated power cables in the electricity supply industry	4	6
20070	Terminate live LV paper insulated power cables in the electricity supply industry	4	6
20071	Joint live LV polymeric insulated power cables in the electricity supply industry	4	5
20072	Terminate live LV polymeric insulated power cables in the electricity supply industry	4	5
20073	Demonstrate knowledge of the installation of power and telecommunications cables	2	2
20074	Demonstrate knowledge of the construction of LV and HV power cables and cable preparation	2	4
23896	Demonstrate knowledge of electrical circuit protection for Line Mechanics	3	4
<b>testing</b>			
24152	Operate a cable spiking tool	3	2
<b>occupational health and safety practice</b>			
17602	Apply hazard identification and risk assessment procedures in the workplace	3	4
<b>Optional standards</b>			
<b>core skills</b>			
20618	Demonstrate knowledge of switching in the electricity supply industry	2	2
<b>temporary traffic management</b>			
5627	Operate as a Traffic Controller (TC) for low volume and Level 1 roads	3	4
<b>civil infrastructure health, safety, and environment</b>			
20877	Demonstrate knowledge of working safely at sites under temporary traffic management	2	1

