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City & Guilds

60016723 Level 2 Diploma in Electrical Power Engineering - Underground Cables

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## OVERVIEW

- What does this qualification cover?

This Level 2 Diploma in Electrical Power Engineering will provide you with the skills and knowledge needed when maintaining and installing underground cables. It can be taken on its own or as part of an apprenticeship.

There are 3 units that you must take:

- Working Safely in the Power sector
- Working Efficiently and Effectively in the Power sector
- Using and Communicating Technical Information in the Power sector
- Location and Identification of Underground Utility Services
- Egress and Movement within the Working Area

and a choice of optional units to meet the needs of your job (minimum 3)

- Customer Relations for working in the Power sector
- Movement of Cable, Plant and Apparatus
- Access, Egress and Movement in Substations
- Service Jointing on Low Voltage Underground Cables
- Jointing and Termination of Low Voltage Mains Underground Cables
- Jointing and Termination of High Voltage (up to 25 kV) Underground Cables
- Over 25 kV XLPE Jointing and Terminations
- Over 25 kV Paper Insulated Jointing and Terminations (Non Pressurised)
- Over 25 kV Paper Insulated Jointing and Terminations (Pressurised)
- Electrical Testing of Underground Cables and Apparatus
- Repairs to Faulted or Damaged LV Service and Mains Cables (non-diagnosis)
- Carry out Excavation Activities on Underground Cables
- Inspect the Installation of Underground Cables
- Install Underground Cables
- Carry out Jointing on Pilot/Telephone Cables
- Carry out Jointing on Low Voltage Concentric Cables
- Carry out Jointing on Low Voltage Consac Cables

- Who could take this qualification? OR who is this qualification designed for?

To undertake this qualification you will be working for one of the many companies involved in this important industry. This qualification has been developed for students aged 16+. There are no restrictions on entry, although it is expected that candidates will be already engaged within the industry.



### WHAT COULD THIS QUALIFICATION LEAD TO?

- Will the qualification lead to employment, and if so, in which job role at which level?

This qualification is for those employed as a cable layer and/or jointer.

- Will the qualification support progression to further learning, if so, what to?

As well as being a standalone qualification it also forms part of the Intermediate Apprenticeship in Power Transmission and Distribution. For the apprenticeship you would also take the Level 2 Certificate in Electrical Power Engineering - Distribution and Transmission (Technical Knowledge). Following successful completion you can progress to the Level 3 Diploma in Electrical Power Engineering and the Level 3 Diploma in Electrical Power Engineering - Distribution and Transmission (Technical Knowledge). These both form part of the Advanced Apprenticeship in Power Transmission and Distribution.

### WHO SUPPORTS THIS QUALIFICATION?

This qualification is supported by RenewableUK, the UK's leading not for profit renewable energy trade association.

It is recognised by the Energy & Utility Skills Register (EUSR).