



Cable Jointing Training

Training and assessment in the methods of cable jointing construction and maintenance, the courses are designed to give learners a sound working knowledge of a wide variety of jointing work and obtain knowledge of safe working practices and the practical skills and techniques to enable them to become valuable members of the workforce.

Who is it for?

People who wish to start a career as a cable jointer, and are motivated to work hard to become valuable members of the utility workforce. Apprentice should have a highly developed sense of responsibility.

Jointing training is split up in to the voltages, LV (low voltage 230-400v), high voltage (11kV and 33kV) and EHV extra high voltage (132kV to 400kV).

The jointing training is undertaken in a spacious training facility designed to provide all the necessary tools and apparatus required to do the work. LV jointing facility also has a real live 400v supply to give a real life scenario while providing protection and monitoring of learner progress.

LV Jointing

LV live jointing trade training in accordance with DNO codes of practice.

The LV jointing program is modular:

ISS - introduction to specific skills, jointers mates duties, safety and system appreciation

Module 1 - Service to service jointing and services to mains on Waveform / wave con, PILCSTA mains and CONSAC where required.

Module 2 - Mains joints and terminations on all common LV cables.

UCT Teach good working practice, safe jointing techniques. Specific joint construction can easily be adopted on site where DNO COP are not made available.

Bespoke programs are also delivered to client requirements

High Voltage jointing

11kv/33kv jointing training covers all the main manufactures of both cable and jointing systems.

Cable types Polymeric bonded or easystrip, EPR 3 core or single core. SWA armoured or DNO specification, PILCSTA paper cable PICAS, PIAS single lead, 'H' type and HSL where provided.

Petro- chemical industry specification, phosphor bronze screen HV cables programs also available.

Joint kits manufactures include 3m, Tyco/Raychem and Prysmian can be included.

There is a range of off the shelf programs, or we can train to your specific requirements.

Bespoke programs are also delivered to clients' requirements

Level 2 Diploma in Electrical Power Engineering - Underground Cables (2339-22)

Experienced operatives and apprentices can undertake nationally recognised diploma in the Utility trade

The diploma is the recognised competency based qualification for the power industry; it can be achieved as a stand-alone qualification or as part of the level 2 apprenticeship framework for the power sector.

This qualification is achieved by the production of a portfolio of evidence to prove competence against the standards, although the physical evidence will come from the delegate the portfolio will be completed with the aid of the assessor to collate and link the evidence provided by the delegate to the individual standards. This assessor lead approach minimises the operational down time for the delegate. E- portfolio available for computer literate reducing printed evidence with upload facility.

Delegates should be able to prove competence in the following areas;

- Working safely and efficiently in the power sector
- Compliance with legislative and industry standards with regards to Health, Safety and the Environment
- Use and communication of technical information
- Safe access and egress to site
- Service jointing on LV cables, LV Mains cables or HV cables
- Electrical Testing of underground cables
- Repairs to faulty or damaged LV Cables

All of the performance criteria must be evidenced. The requisite evidence is attained through completion of the relevant skill based units on a minimum of three separate occasions.

Diplomas are valid for life

Apprentice Training

Where operatives have very little knowledge and experience it is recommended to do the full apprenticeship framework, this will provide the formal training and underpinning knowledge required to achieve the fitting competence qualification.

Bespoke Jointing Courses

Jointing can be delivered to cover all aspects of DNO requirements, however, where work is require on a specific contract, there may be requirements for bespoke training.

Currently we have stand-alone training courses on the following, any of which can be tailored to your requirements

Live 1Ø cut out changing

Changing metal clad and compound filled 1Ø cut outs in to heat shrink terminations, this includes all aspects of risk assessments, dealing with asbestos, live working and following safe work procedures.

Plastic Cable Jointing (Waveform and XLPE service jointing)

Cable jointing on mains to mains waveform cables, and undertaking all service joints on XLPE cables.

Electrical Integrity Testing

This is a program to improve testing ability for jointers/ linesmen on following tests: - polarity, earth loop impedance, continuity, insulation resistance, phase rotation and phasing out conductors.

A full analysis of staff ability can be assessed and improved upon to prevent site error resulting in incorrect supply's being connected.

Craft Attendant

Jointers Mate program, this covers all generic safety to work on electrical sites as well as giving them useful skills on site to assist a competent craftsman jointer including service terminations, resin mixing , damp testing and preparing tools and materials.

11kV for IDNO companies

11kV jointing on to XLPE cables 1Ø and 3Ø configurations, and covering a number of commonly used joint manufactures, 3m, TYCo, Parismian.

Consac LV Jointing

LV CONSAC cable jointing, with time to learn and become competent at the plumbing skills required, and safe use of Kenyon Irvine stripping tools.

Jointing Course Directory

Course Ref	Course Description	Duration	Min Delegates	Max Delegates
Basic Training				
UCT J101	Basic Intro to cables and jointing	2 days	6	10
UCT J102	Mains Records	1 Day	6	12
UCT J103	Jointing Appreciation	5 Day	6	8
UCT J 104	Cable Laying	1 Day	6	12
UCT J105	HSG 47	1 day	6	12
UCT J106	BESC (Cables)	1 Day	6	12
UCT J107	G39 safe isolation	1 day	6	12
LV Jointing				
UCT J 201	Jointers Mate	5 Day	6	12
UCT J202	LV CONSAC Jointing	2 Day	6	10
UCT J203	LV street light service jointing	5 days	6	10
UCT J204	LV Mains Jointing	15 Days	6	8
UCT J205	LV Service Jointing	10 Days	6	8
UCT J 206	LV Waveform mains	5 Days	6	8
UCT J207	LV Waveform Services	5 Days	6	8
11KV Jointing				
UCT J301	11kv Triplex IDNO	10 Days	6	8
UCT j 302	11kv Contract Cable (SWA)	7 Days	6	8
UCT J303	11KV Full Poly /Paper DNO	20 Days	6	8
UCT J304	Ackvoke cable spike use	1 day	6	12
33KV Jointing				
UCT j 501	33Kv Cable jointing	15 days	4	4
UCT J502	Pfisterer Conex connections	2 days	6	6
Apprenticeship Program L2				
UCT J601	ISS cable jointing	5 Days	8	8
UCT J602	LV services and Waveform mains	25 Days	12	12
UCT J603	LV Mains Transition	20 Days	12	12
UCT J604	11kv Full	20days	12	12
UCT J605	Cut out change (Live)	10 days	8	12



Apprenticeship Program Trailblazer L3

Uct TB1	Core skills			
	Technical Foundation			
	Jointing skills			
	Technical certificate			
	Advanced skills	127 days	6	13

132KV -400KV joints and terminations

132kv-	manufacture specific	POA	4	4
--------	----------------------	-----	---	---

Bespoke

There are bespoke courses available for client to have training tailored to company requirements please get in touch to discuss your needs.

For all your training requirements, please contact UCT

0161 776 4186

