Garnet
Garnet Global Training Center

GGT-EI-121

Electrical, Instrumentation & Control

Cable Selection, Jointing & Termination

اختيار الكابلات ووصلها وإنهاؤها

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Cable Selection, Jointing & Termination turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Power, protection and automation skills for plants, utilities and smart infrastructure. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Apply the methods and standards of Cable Selection, Jointing & Termination to real tasks.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.

Who should attend

Electrical, instrumentation and control engineers, technicians and maintenance leads. Practitioners with one to five years of experience benefit most.

Key topics

- Power system fundamentals and studies
- Protection, earthing and safety
- Control system architecture
- Field devices and loop checking
- IEC and IEEE standards
- Troubleshooting with real fault records

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Cable Selection, Jointing & Termination: principles and standards

- Protection, earthing and safety
- Regional and international case studies

Day 2 Methods and tools in practice

- Control system architecture
- Field devices and loop checking

Day 3 Diagnosis and problem solving

- IEC and IEEE standards
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Troubleshooting with real fault records
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Power system fundamentals and studies
- Measurement and reporting

10-day outline

Day 1 Cable Selection, Jointing & Termination: principles and standards

- Protection, earthing and safety
- Regional and international case studies

Day 2 Methods and tools in practice

- Control system architecture
- Field devices and loop checking

Day 3 Diagnosis and problem solving

- IEC and IEEE standards
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Troubleshooting with real fault records
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Power system fundamentals and studies
- Measurement and reporting

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Hands-on workshop on a workplace challenge

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Common mistakes and how to avoid them

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
11–15 Jan 2027	5-day online	Live online	Arabic	2,950
16–27 May 2027	10-day classroom	Doha	Arabic	8,950
2–6 Aug 2027	5-day classroom	London	English	4,750
6–10 Dec 2027	5-day classroom	Kuala Lumpur	English	4,750
10–21 Apr 2028	10-day online	Live online	English	5,450
7–11 May 2028	5-day classroom	Riyadh	English	4,750
8–12 Oct 2028	5-day classroom	Cairo	Arabic	4,750
13–24 Nov 2028	10-day classroom	Amsterdam	English	8,950
1–5 Jan 2029	5-day classroom	Amsterdam	English	4,750

Dates	Format	City	Language	Fee (USD)
20–31 May 2029	10-day classroom	Muscat	Arabic	8,950
20–24 Aug 2029	5-day online	Live online	English	2,950
17–21 Dec 2029	5-day classroom	Paris	English	4,750
14–25 Jan 2030	10-day classroom	Abu Dhabi	Arabic	8,950
17–21 Jun 2030	5-day classroom	Casablanca	Arabic	4,750
18–29 Nov 2030	10-day online	Live online	Arabic	5,450
1–5 Dec 2030	5-day classroom	Manama	English	4,750

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/