CABLING & FIBRE OPTICS · POWER & TELECOM CABLES

Power Cables: Selection, Installation & Jointing

كابلات الطاقة: الاختيار والتركيب والوصلات

3 days | Intermediate | In person · Live online | Arabic & English

Understand the power cables that keep buildings, plants and networks running. You will learn cable construction and ratings, how to size and select cables, safe installation methods, low- and medium-voltage joints and terminations, and the tests that confirm a cable is ready for service.

WHO IT'S FOR

Electrical technicians, engineers and supervisors who specify, install or maintain power cables.

BEFORE YOU START

Basic electrical knowledge

WHAT YOU'LL LEARN

- Describe the construction and insulation types of power cables.
- Size and select cables for current, voltage drop and installation conditions.
- Apply safe installation methods for trays, ducts and direct burial.
- Prepare low- and medium-voltage joints and terminations.
- Carry out and record insulation and continuity tests.

Training a team?
We run this course privately for organizations, on your dates, at your site or ours, and adapt the examples to your network and equipment.

COURSE OUTLINE

5 modules, 3 days

MODULE 01

Cable construction

- Conductors and insulation
- Armour and sheaths
- Voltage ratings

MODULE 02

Sizing and selection

- Current rating and derating
- Voltage drop
- Short-circuit considerations

MODULE 03

Installation methods

- Trays, ladders and ducts
- Direct burial
- Pulling and bending limits

MODULE 04

Joints and terminations

- Low-voltage joints
- Medium-voltage terminations
- Heat-shrink and cold-shrink

MODULE 05

Testing and safety

- Insulation resistance
- Continuity and phasing
- Safe isolation

ALSO IN POWER & TELECOM CABLES

Telecom & Outside Plant Cables

Enrol or ask a question

In person in Damascus · Live online · Private training for teams. Tell us your goals and we will send the dates, the fees and the right level for you.

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