CABLING & FIBRE OPTICS · FIBRE OPTICS, SPLICING & TESTING

Fibre Optic Fusion Splicing

لحام الألياف الضوئية بالصهر

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

Hands-on training in the core skill of fibre work. You will prepare cables, strip, clean and cleave fibres, run a fusion splicer, protect and organise splices in trays and closures, and fit mechanical splices and field connectors, practising until your splices are consistently low-loss.

WHO IT'S FOR

Fibre technicians, installers and network staff who build or repair fibre links.

BEFORE YOU START

Fibre Optic Fundamentals or equivalent experience

WHAT YOU'LL LEARN

- Prepare loose-tube and tight-buffered cables for splicing.
- Strip, clean and cleave fibres to a high standard.
- Operate and look after a fusion splicer.
- Protect and manage splices in trays, closures and patch panels.
- Install mechanical splices and field-installable connectors.

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

6 modules, 3 days

MODULE 01

Cable preparation

- Opening cables safely
- Handling loose tubes and buffers
- Tray and closure preparation

MODULE 02

Stripping, cleaning and cleaving

- Tools and technique
- Cleave quality
- Common mistakes

MODULE 03

Fusion splicing

- How a fusion splicer works
- Splice programmes and settings
- Estimated loss and re-splicing
- Splicer care

MODULE 04

Splice protection and management

- Heat-shrink protection
- Splice trays and closures
- Patch panels and pigtails

MODULE 05

Mechanical splices and field connectors

- When to use them
- Fitting and checking

MODULE 06

Final practical

- Build and splice a complete link
- Trainer review and feedback

ALSO IN FIBRE OPTICS, SPLICING & TESTING

Fibre Optic Fundamentals, **Fibre Testing & OTDR Analysis**, **Optical Network Simulation with OptiSystem**, **Optical Fibre Transmission Engineering: End to End**

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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