CABLING & FIBRE OPTICS · INSTALLATION PRACTICE

FTTH Design & Installation

تصميم شبكات الألياف إلى المنازل (FTTH) وتركيبها

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

Bring fibre to homes and businesses. You will learn how passive optical networks are designed, plan splitter levels and power budgets, and practise the installation work in the field: feeder and drop cables, closures, distribution points and the connection inside the customer's premises.

WHO IT'S FOR

Installers, technicians, site supervisors and planners working on fibre access networks.

BEFORE YOU START

Fibre Optic Fundamentals or equivalent experience

WHAT YOU'LL LEARN

- Describe PON architecture and its components.
- Plan splitter levels and an optical power budget.
- Install feeder, distribution and drop cables.
- Prepare closures and distribution points.
- Complete and test a customer connection.

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

FTTH architecture

- Point-to-point and PON
- OLT, splitters and ONT
- GPON and XGS-PON at a glance

MODULE 02

Network planning

- Splitter levels and ratios
- Power budgets
- Route and survey basics

MODULE 03

Outside plant installation

- Ducts, aerial and direct burial
- Closures and distribution points
- Drop cables

MODULE 04

Customer premises

- Entry and termination
- ONT installation
- Activation and testing

MODULE 05

Quality and safety

- Workmanship standards
- Safety on site
- Records and handover

ALSO IN INSTALLATION PRACTICE

Cable Installation Best Practice & Site Safety, **FTTx Network Design: Advanced**

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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