



## Certified Fibre Optics Training Course

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### Fibre Optic Cabling in a Internal and External Environment

**Duration: 5 days**

**Max. candidates: 6**

#### Course overview

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This intensive 5 day training course provides delegates with both the practical skills and the underpinning knowledge, needed to work with fibre optic cabling safely. Included on the courses are details on basic installation practices, fibre optic connectorisation, splicing fibre optic cables, external enclosures, the practical skills required to terminate and test fibre optic cabling. This course also focuses on the components, equipment and working practices that are typically used for both premises cabling systems and for fibre optic cabling installed in an external telco environment.

#### Who will benefit from this course?

The course is ideally suited for data comms cabling installers and network cabling technicians who have some previous experience in installing data cabling, but are wishing to seek new skills and opportunities or are possibly required, as part of an expanding role, to possess a nationally recognized qualification.

#### Course content

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- Theory of Light
- Fibre optic transmission
- The 'how' and 'why' fibre optic cabling is used in a datacomms environment
- How optical fibres work and the issues that can affect performance
- Current standards
- Terminologies
- Identify fibre optic components and explain their uses
- Work safely with optical fibres in an internal and external environment
- Follow recommended installation procedures and working practices
- Prepare fibre optic cabling for termination, connectorisation and splicing
- Terminate fibre optic cabling by fitting connectors
- Fibre optic cabling fusion splicing
- Loss budget calculations
- Carry out an OTDR test on fibre optic links
- Interpreting test results
- Fibre optic fault finding

For the external fibre optic cabling installation simulated exercise, delegates are trained and are also assessed in the following areas:

- Carry out fibre optic cable 'dressing into a closure' procedure
- Test fibre optic installation using the OTDR.
- Interpret OTDR test results and complete client documentation

## Assessment

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All candidates are assessed via 2 separate examinations, which comprises of 50 multiple choice questions. The examination is a closed book and is carried out using the computer based Gola system. All candidates are given their results at the end of the examination.

There is also a series of timed practical assessments.

## Other information

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This course leads to a fully accredited qualification in Fibre Optic Cabling in an Internal and External Environment.

Delegates are provided with a full colour, comprehensive course manual to work through during the course.

## Further Training

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