



Certified Structured Cabling Course Cat5e/6

Copper Cabling in an Internal Environment

Duration: 3 days

Max. candidates: 6

Course Overview

This intensive 3-day training course will provide delegates with the knowledge and Installation skills that are needed to install, terminate and test copper cabling for Datacomms structured cabling data networks.

This course covers the key tasks that have to be performed on datacomms cabling that is installed within the built environment, within the premises and in an internal environment; this includes office environments, public buildings, hospitals, airports, and other types of buildings where networks are deployed. The skills and knowledge gained can be applied to all data cabling and structured cabling, otherwise known as copper cabling, as used for commercial environments, including large office structured cabling systems and premises networks, SoHo Systems, and industrial communications cabling networks.

The course also focuses on key aspects of health and safety, the correct selection of tools, equipment and components as well as the working practices that are typically used for the installation of network cabling and structured cabling that support the transmission of data, voice and video.

Who will benefit from this course?

This course suitable for datacomms engineers looking to prove their installation skills and professionalism. It is particularly applicable to individuals, for example, electricians and telecomms engineers who wish to increase and broaden their range of skills.

This Certified course is the recognized qualification for professional datacomms cabling and structured cabling installers

Course content

- Current terminologies in use as applied to copper communication data cabling
- Health and Safety: copper data cabling in an internal environment
- Basic electrical theory and principles with reference to datacomms cabling
- Recommended data cabling installation procedures in accordance with standards
- Data cable presentations, i.e. RJ45 & RJ11
- Data cable performance categories (Cat5e, Cat6, Cat6a)
- Termination of communication cabling
- Telephony installation using structured cabling
- Fault find copper communication data cabling
- Test cabling link performance against recognized standards
- Interpret test results

In addition, the course will also describe typical examples of applications where where particular categories of data cable can be deployed.

Assessment

All candidates are assessed via an examination comprising of 25 multiple choice questions. This is an 'closed book' examination 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

This course leads to a fully accredited level 2 qualification in copper cabling in an Internal Environment

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

Further Training

Certified Course in Internal/External Fibre Optics

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