

City and Guilds 3667– 02

Unit 104: Copper Cabling in an Internal Environment
3 days

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, in an internal environment; this includes commercial office environments, public buildings, hospitals, airports, and datacentres as well as other types of buildings where networks are deployed. The installation skills and underpinning knowledge gained on the course can be applied to all types of data cabling, as used for commercial environments, including large office datacabling systems, premises networks and industrial communications cabling networks. We also look at the latest trends in SoHo networks..

The course focuses on key aspects of health and safety, the correct selection of tools, equipment and components as well as the correct working practises 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

This course is aimed at datacomms engineers looking to prove their installation skills and professionalism. It is also applicable to individuals who are in allied trades, for example, electricians and telecomms engineers who wish to increase and broaden their range of skills.

This City & Guilds 3667-02:104 course is the recognised qualification for professional datacomms cabling and structured cabling installers and is on the established UK's regulated qualifications framework (RQF)

Course Content

- Current terminologies in use as applied to copper data cabling
- Health and Safety: copper cabling in an internal environment
- Basic electrical theory & principles
- Recommended data cabling installation procedures
- Current standards
- Data cable presentations, i.e. RJ45, Keystone Jack.
- Data cable performance categories
- Termination of communication cabling
- Telephony installation, Cable tracing, Jumpering & Testing
- Fault find copper communication data cabling
- Testing link performance against recognised standards
- Interpret test results

Part Number	Description
CG-COPPER	CITY & GUILDS INSTALLATION AND TESTING OF COPPER CABLING NETWORKS