

# Structured Cabling Training

Correct installation procedures are a fundamental part of today's structured cabling industry. We are committed to ensuring that our cabling systems are installed quickly, professionally and in compliance with the rapidly changing standards proposed by the ISO/IEC, BSEN and ANSI/TIA.

Modern building designs often include consideration for cabling infrastructures to support voice and data distribution. It is increasingly the case that tender documents, project specifications and detailed plans refer to relevant standards and terminology that anyone working in this field should be aware of.

## Course Description

The Connectix Copper Structured Cabling Training Course offers a balanced mix of theory, practical work and hands-on exercises to relate theory and practice to real world scenarios.

The course is run by a fully qualified Connectix Cabling Systems trainer who is well versed in structured cabling and is constantly updated in line with the rapidly changing standards, technologies, and terminologies.

Questions during the course are actively encouraged.

## Features and Benefits

- Delegates gain the confidence to install and test Connectix Cabling Systems correctly.
- Coverage of industry standards, installation techniques and test equipment.
- Introduction to typical structured cabling system infrastructure elements.
- Delegates understand how to terminate and test different categories of copper cables successfully.
- The relationship differing categories to cabling standards will be understood.
- Hands-on termination 'punchdown' and keystone on Cat6 and Cat6a.
- Testing parameters explained.
- Certificate awarded for successful completion.
- Pre-requisite for Connectix Approved Installer Status.

## Course Overview

### Introduction to Connectix

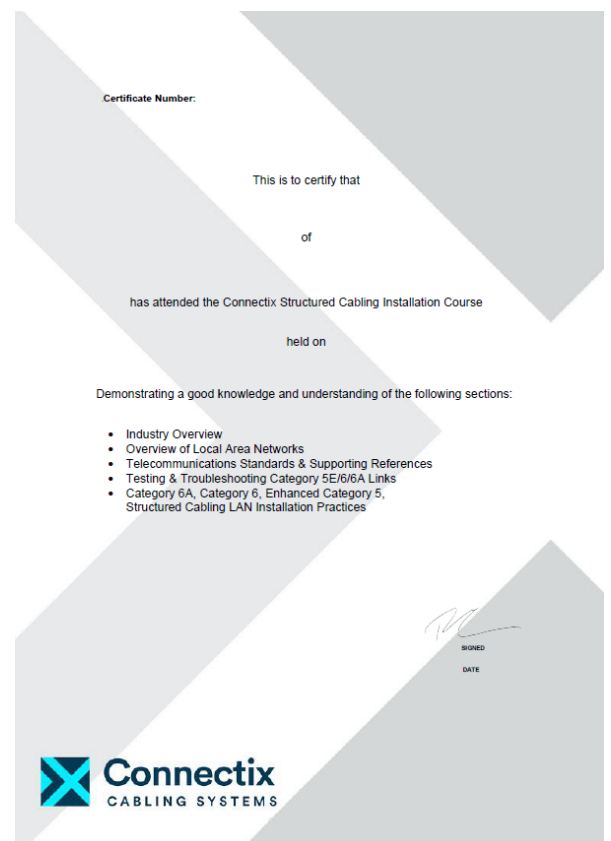
- Background, history and activities
- Information regarding 25 Year Warranties

### Course Introduction

- Course materials, objectives, test information

### Structured Cabling Theory

- What is structured cabling?
- Category 5e through to Category 8
- Cat5e or Cat6 what are the advantages ?
- Generic cabling designs
- Where should shielding be considered ?
- Different panels for different scenarios
- CPR regulations
- Cable preparation and testing
- 10Gigabit Ethernet update



## Installation of Structured Cabling

- Overview of the installation process
- Cable installation practices
- The importance of twisted pair
- Cable termination – how it should be done

## Structured Cabling System Testing

- Why test? What to test?
- Methods of testing
- Different types of test equipment
- Testing for warranty application

## Practical Detail

- Different category cable construction and selection
- Presentation of cables into patch panels into panels
- Review of termination methods with summary
- Cable preparation for termination (both unshielded and shielded)
- Practical termination exercises

## Copper Link Testing

- Why test? What to test?
- Methods of testing (PL, Channel, MPTL)
- Different types of test equipment
- Testing exercise

## **Training Centre Opening/Course Timetables**

The training centre will be open from 8:45am with a selection of tea and coffee available.

Courses start at 9am. Courses aim to finish by 5:00pm with the training centre being closed by 5:30pm.

The course timetable may be flexible during the day, however we will start promptly, please ensure you arrive at the start time specified in the course itinerary.

## **Course Availability**

Please contact Connectix Cabling Systems for up-to-date course availability information.

Telephone: 01376 346600

Fax: 01376 346620

Email: [training@connectix.co.uk](mailto:training@connectix.co.uk)

## **General Guidance & Information**

Training is primarily held at the Connectix Training Centre based at Connectix Unit 620 The Hub in Braintree, Essex.

If required, courses can be held externally at a customer's site, please speak to your account managers or email [training@connectix.co.uk](mailto:training@connectix.co.uk).

