

# Excel System Installation (ESI01)



2 day course

A 2-day practical based structured cabling installation & testing program which forms the cornerstone of the Excel Warranty.

This course is designed to provide the theoretical background and practical skills to satisfy the requirements of the modern high-speed local area networks.

Those attending become both skilled and competent correctly install, test and troubleshoot the Excel Structured cabling solution, which includes Cat5e, Cat6, Cat6a and fibre components.

## Introduction

- **Transmission Theory**
  - Understand how the signal path can be affected by installation and design practises for both Copper and Fibre
- **Standards Overview**
  - BSEN50174 Parts 1-5
  - ISO11801
  - EIA/TIA568-B
- **Cable Types - Copper**
  - Cat5e
  - Cat6
  - Cat6a
  - F/UTP
  - S/STP
  - PIMF
- **Cable Types – Fibre**
  - OM1, OM2, OM3 & OS1
  - Indoor/Outdoor
- **Connector Types**
  - Copper - UTP & STP
  - Fibre – ST, SC & LC
- **Installation Practices & Terminations**
  - Copper Systems – Cat5e, Cat6, Cat6a
  - Fibre Systems
  - Cable Management
  - Grounding & Bonding
- **Testing & Fault Identification**
  - Copper - Cat5e, Cat6 & Cat6a
  - Fibre – OTDR, LSPM
- **Documentation & Labelling**
  - BSEN standards requirements
  - Excel warranty requirements
- **Health & Safety**
  - Health & Safety at Work Act
  - Fibre Safety
  - Electrical Safety
- **Warranty Management**
  - Moves, Adds and Changes (MACs)
  - Documentation



## 35% Theory 65% Practical

### Who should attend

Anyone seeking to install and warrant the Excel Structured Cabling Solution.

### Qualification

EXCEL Certification  
BICSI CEC's 14 Installer, 14 RCDD

### Course Objectives

Delegates are equipped with the knowledge, skills and expertise to competently undertake the installation of the Excel Structured Cabling Solutions

### Related Training

Excel System Design (ESD01)  
BICSI ITS Installer 2  
BICSI ITS Technician  
Design & Advanced Testing of Copper Systems  
Fibre in an Internal Environment  
Wireless LAN Design & Installation

### Prerequisites

No formal qualifications are required

### Location

CNet Training  
Bury St Edmunds  
Suffolk, UK

CNet Training  
Knowledge Village  
Dubai, UAE

