



The market leader Communications Training

Customer Focused ▶▶
Quality Driven ▶▶▶▶

Structured Cabling

2-day course

A 2-day practical based data cabling installation & testing programme with emphasis on learning the correct hands-on installation practices and essential techniques.

This course is designed to provide the theoretical background and practical skills to satisfy the requirements of modern high-speed local area networks. Those attending become both familiar and confident with correctly installing, testing and troubleshooting a structured cabling system which complies to the latest Cat 5e and Cat 6 standards.

Course Overview

Introduction

Transmission theory

- Underpinning knowledge required for providing quality installation & maintenance practices
- Understand how the digital signal & signal path can be affected by installation design & practices

History & standards

- History behind & the standards of structured cabling systems: BSEN50173/4, ISO 11801, EIA/TIA568-B & how they relate to installation practices

Layout & topologies

- Inter-connects & cross-connects
- Common topologies – bus, star & ring
- Common problems

Cable types

- Make up & construction of Cat 5e, 6 & proposed Cat 7 twisted pair

Cable

- Cable stripping & termination procedures taking into consideration bend ratios, untwist distances T568A, T568B colour codes

Testing

- Testing for certification & repairs with the use of level 3 test equipment including tests for common faults involving, NEXT, return loss & wire-map

Documentation

- Labelling, procedures to meet necessary standards
- Current customer relations measures

Health & safety

- Procedures & safety within the datacommunications work place

Practical

- Installing cable and cable support infrastructures to BSEN 50174, UTP & FTP, termination methods

Testing & fault identification

35% Theory 65% Practical

▶ Qualification
BICSI CECs: 14 ITS & 14 RCDD
CNet Certificate

▶ Who should attend
Anyone seeking knowledge of structured cabling and associated components

▶ Related Training
BICSI ITS Installer, Level 1
Voice Cabling & Key Systems
Design & Advanced Testing of Copper Systems
Fibre in an Internal Environment
Fibre in an External Environment

▶ Course objectives
Delegates are equipped with the knowledge, skills and expertise to competently undertake data cabling installation and testing projects

▶ Prerequisites
None

▶ Course Location
Temple, Dublin