

DCT Copper Cabling Systems Certification

With Fluke Training

Duration: 5 Days

Course Code: DCT-DCS

About this course:

The DCT Copper cabling Certification is a 5 days comprehensive practical certification program that covers Copper cabling standards, Horizontal Cabling, Backbone cabling, Work Area, Telecommunication spaces, Installation Practices, Testing and Fluke CCT Copper certification.

The training leads to multiple Certifications from the following internationally recognized bodies.

Objectives:

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

Labs

- Terminations, Troubleshooting and testing on:
- Category 6 UTP Cabling system
- Category 6A FTP Cabling system
- Trouble shooting and Testing of both Cat 6 and Cat 6A cabling with LAN tester and Fluke performance tester.

Pre-requisite

- Those attending this course require basic understanding of network topology.

Certificates

- DCT Certified Fiber Installer
- GIGANET Certified Fiber Installer
- ETA Fiber Certified Installer
- Fluke CCT Fiber Certification

Copper course content

Introduction to Balanced Twisted-Pair Cables

Connecting Hardware

- Telecommunications Outlets
- Patch panels
- Wiring Blocks

Cabling Standards

- Telecommunications cabling standards.
- Advantages of Standards
- Standards bodies
- ANSI/TIA/EIA Standards
- ISO/IEC Standards
- CENELEC Standards
- Cable categories/Classes

Horizontal Cabling

- Horizontal Channels
- Channel Lengths
- Horizontal Pathways
- Maximum Pathway Fill

Backbone Cabling

- Backbone Cabling Systems
- Backbone Cabling Distance Limitations

Work Area Cabling

- Work Area Components
- Telecommunications Outlets
- Work Area Cable Termination

Telecommunications Spaces

- Equipment Rooms
- Telecommunication Rooms
- Entrance Facilities

Electromagnetic Interference (EMI)

- What is EMI
- Power Separations/ Shielding

Installation Practices

- Cable Management
- Bend Radius
- Cable Stacking Height
- Cable Stress
- Cable Support
- Rack Clearance
- Equipment Locations
- Mounting Connecting Hardware
- Earthing And Bonding
- Cable Pulling
- Cable Termination

Testing

- Permanent Link Testing
- Channel Testing
- Test Parameters



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Administration

- Labels
- Records
- Administration Classes

Warranties

- What is warranty?
- Test Results
- Warranty Registration form

Fluke CCTT (Copper)

- Copper certification (DSX)
- Set up DSX
- Test using DSX
- Troubleshoot
- Test standards/limits
- DSX Diagnostics