FOA - Certified Premises Cabling Technician

COURSE DESCRIPTION:

The Certified Premises Cabling Technician (CPCT) course is a balanced mix of hands on instruction and theory to provide the knowledge required for today's structured copper and fibre optic in-building installation environments. The certification is Internationally recognized and is intended to provide a baseline knowledge for anyone working within, or with aspirations to work in the Telecommunications premises installation industry.

To gain the Certified Premises Cabling Technician qualification, you are required to complete eight course modules, be competent in hands on exercises and pass the final written exam.

WHO SHOULD ATTEND

FOA CPCT certification includes copper and fibre cabling and wireless systems. CPCT certification is based on KSAs (knowledge, skills and abilities) that require a knowledge of cabling and wireless technology and standards along with demonstrated skills in the installation of copper and fibre cabling system to support networks. Most CPCTs will work as contractors and installers, although the certification provides excellent training for IT or security personnel responsible for the operation of networks. CPCT courses will generally be 50% hands-on labs developing the skills necessary for working with premises cabling systems.

DURATION

3 days

CLASS SIZE

Maximum 9 attendees
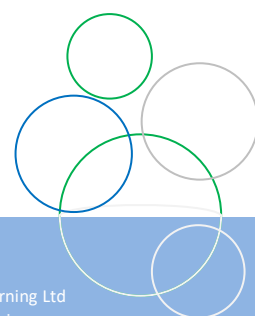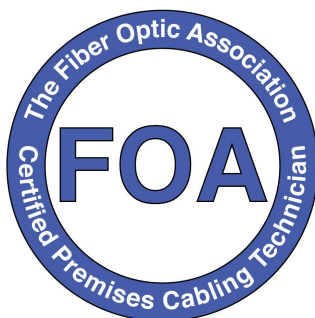
CONTENT:

Introduction
- Short history of communications
- Premises cabling
- Cabling standards
- Cables

Cabling Jargon
- The Language of Cabling
- Structured cabling terms
- Cables
- Terminations
- Cable testing
- Networks

Communications Networks and Applications
- Computer networks
- Residential, Industrial and other uses for structured cabling
- UTP cabling
- Fibre optics in structured cabling
- Fibre, copper or wireless?

Copper Cabling
- UTP
- Other twisted pair cable types
- UTP cable termination
- Testing UTP cabling
- Co-ax cable in premises networks

Fibre Optic Cabling
- The role of fibre in premises networks
- Fibre 101
- Which fibre should you choose?
- Connectors
- Splices
- Fibre Testing

Wireless
- Wireless in structured cabling
- Wireless standards
- "Wireless" backbones
- Wireless design
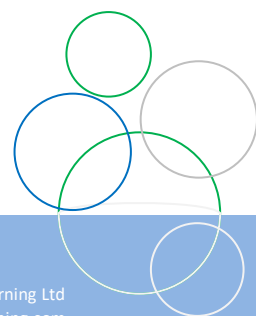
Designing Premises Cabling Systems
- Cabling design crireria
- Pathways & spaces
- Other design considerations
- Documentation

Premises Cabling Installation
- Preparing for installation
- Installation checklist
- Site preparation
- Cable Installation
- Safety
- Inspection
- Installation tips

O-LAN's
- O-LAN's vs traditional LAN's
- Advantages and disadvantages
- Passive Optical LAN's
- LAN standards
- Splitters
- Design
- Installation
- Testing O-LAN's

Assessment

- Students will sit a 1 hour closed book exam to gain the CPCT qualification
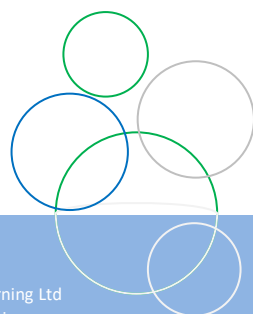
CPCT Exam completed at the end of Module 8

To find out more about this course, contact CommsLearning on
enquiries.ap@commslearning.com or telephone 0800 4 COMMS (4 26667)