# Level 2 Copper cabling in an internal environment (7540-227)

## Systems and Principles
## Assignment guide for candidates

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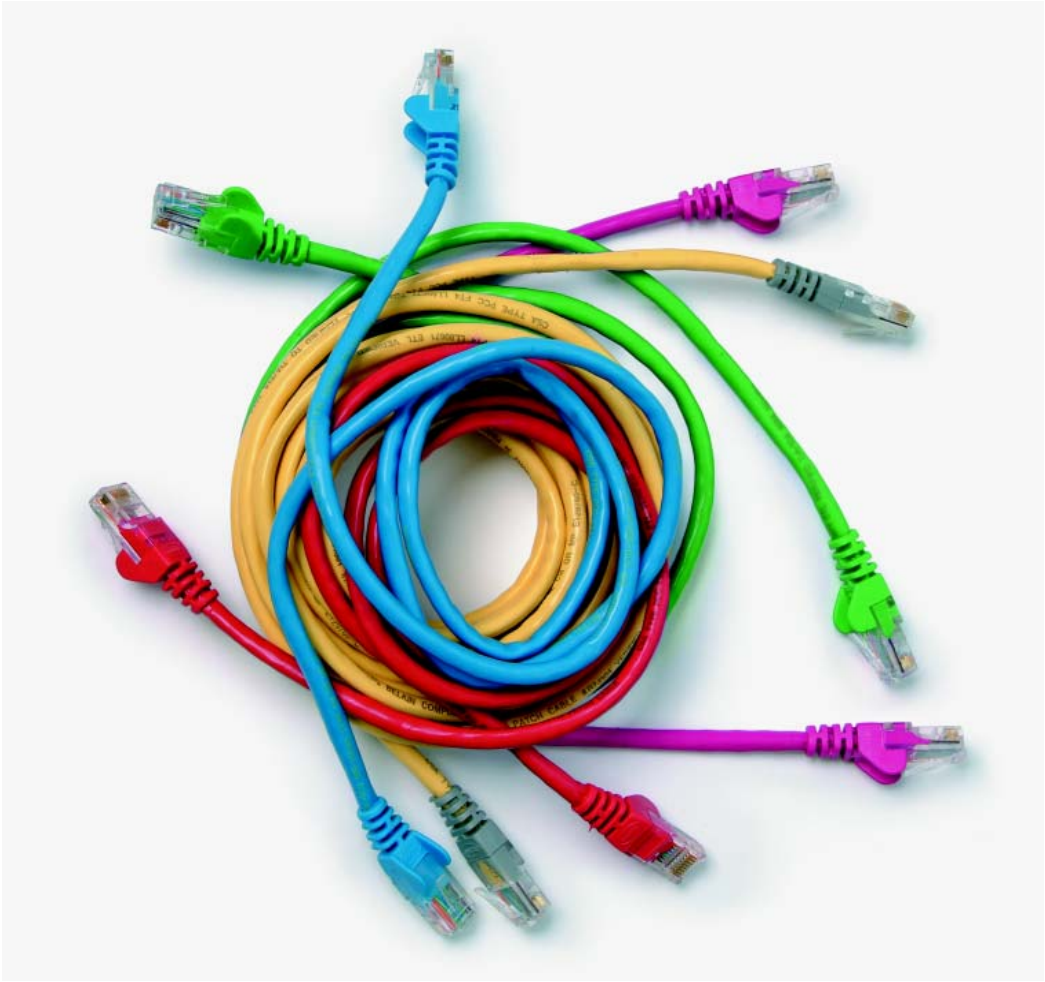

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# Level2 Copper cabling in an internal environment (7540-227)

Candidate Instructions

You are advised to read all instructions carefully before starting work. Check with your assessor, if necessary, to ensure that you have fully understood the process.

You must, at all times, observe all relevant health and safety precautions.

You should be aware of the manufacturer's calibration requirements. Please note that test equipment may need a user reference prior to use.

You may use any of the tools, materials and equipment provided.

**There is a time limit of four hours for this assignment.**

**Introduction**

This assignment is broken down into three parts.

Task A requires you to interpret installation plans and determine specifications, identify cables and connectors against requirements, and compare cable and connector characteristics.

Task B requires you to select termination hardware and cables, as required by the installation plan, and set up cable run, as required by the installation plan.

Task C requires you to operate test equipment, test a copper link, interpret and record test results, and rectify faults.

**Task A**

You are required to interpret the installation plan provided by your assessor and identify the correct cables and termination hardware to be used.

**Task B**

You are required to install cables to meet the requirements specified in the installation plan.

**Task C**

You are required to test and accurately record (save or print) test results as follows:

- test FTP or UTP copper cable permanent links
- test a multi-core telephone cable installation
- test installations to relevant performance standards.

- **At the conclusion of this assignment, hand all paperwork to your assessor.**
- **Ensure that your name and enrolment number are on all documentation.**

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