

# Purpose Statement

## Open Awards Level 3 Award in Copper Datacoms Cable Installation (RQF)

The primary purpose of this Award qualification prepare you to enter or progress within the growing Communications Networks sector. You could progress onto the nested certificate, which enables smaller periods of learning, ie for the Awards, which could build into a Certificate.

### Who is it for?

The qualification is for you if you are:

- Wishing to enter the field of copper Datacoms in the roles of network installers, maintenance technicians and IT network engineers
- Wishing to move into the field from other related fields
- Wishing to work in management, sales and equipment related roles in the industry
- Already running Datacoms networks in corporations, educational establishments, healthcare establishments and similar environments
- Already working in the industry and wishing to formalise their training and experience

### What does this qualification cover?

By the end of the qualification you will be able to:

- Understand the principles of electrical circuits
- Understand the reasons for testing copper communications lines
- Be able to use multi-meters to test copper cables
- Be able to use an Ohmmeter and Insulation Resistance Tester (Bridge Megger or similar) to test copper cables
- Be able to use a Certification Tester to test FTP, UTP and multicore copper links
- Be able to operate a TDR (Time Domain Reflectometer)
- Understand how to interpret test results

## **What are the Entry Requirements?**

This qualification is suitable for those aged 18+

While there are no formal entry requirements, you will require English and Maths at Level 2 or equivalent.

As colour codes are used for identification of individual fibres in cables, this qualification may not be suitable for those with colour vision impairment.

## **What are the Assessment Methods?**

You will be required to complete a portfolio of evidence. This will be made up of a variety of coursework and assessments set by your training provider.

Examples of assessment types include:

- Written evidence of knowledge
- Practical skills assessments (tasked based)
- Skills observation
- Verbal question and answer

## **What are the Progression Opportunities?**

This qualification provides a route into employment opportunities and further learning and training in:

- Highways Fibre Optic Installations/Maintenance
- Umbilical Cables Installations/Maintenance
- Telecommunications Engineers/Installation/Maintenance
- Fibre Optic Installations
- Network Planning and Design

## **Who supports this qualification?**

This qualification was developed in partnership with Lucid Optical Services Ltd and is supported by the Fibre Optics Industry Association.