

Hexatronic Certified Microduct Installer

COURSE DESCRIPTION:

This course will equip you with the skills and knowledge you need to know regarding Microduct technology. A 1-day practical course covering exercises and completion of the practical assessment.

It covers safety, handling, installation, jointing, maintenance, deployment and testing of Microducts.

Hexatronic NZ has partnered with CommsLearning to provide you with a solid foundation & practical experience in order for you to gain this certification.

WHO SHOULD ATTEND:

Technicians, installation and maintenance engineers and anyone operating in a Microduct network environment.

SOME COURSE BENEFITS:

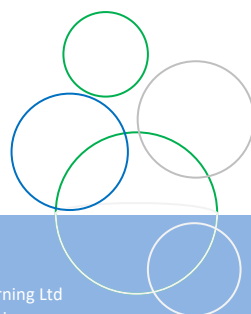
On completion of the course, the participant will

- Be able to determine which combinations of micro cables and/or nano cables can be used in particular micro ducts.
- Be able to blow micro cable into these ducts.
- Know how to handle micro cable and how the installation differs from traditional fibre cable.
- Be able to branch out a micro duct from a multi duct with an acceptable result.
- Be able to determine the approximate length of the micro cable that can be blown in different situations and with different materials.

FORMAT:

1 day, interactive classroom/workshop based, with a written test and hands on exercises.

Maximum attendees 6 per course



CONTENT:

- Introduction to Fibre Optics – How it works
- Types of Fibre – Singlemode & Multimode
- Types of Cables. Patch leads, Distribution cable, Loose Tube, Micro-cables
- Traditional cable hauling vs. blowing cables
- Micro-ducting – sizes, types & uses
- Micro cables - design & types of
- Micro cable/ABF handling
- Choice of ducting tools
- Ducting accessories and their uses (joiners, gas blocks etc)
- Demonstration of the ABF blowing tool, its handling and maintenance
- Installation of ducts; straight splice and branch out (lateral) of a micro duct from a multi duct
- Pressure test of duct
- Blowing micro cable and air blown fiber (ABF) into a micro duct
- Specific installation situations (ISP, OSP, Trenched etc)
- Documentation of installed duct (As built's etc)
- Review & written test

ASSESSMENT:

- Instructor led interactive quizzes
- Multiple choice written test
- Practical Assessment

Delivered in association with

