

**COURSE NAME**

INTRODUCTION TO FIBRE OPTIC CABLING INSTALLATION AND TESTING

“Gain an insight into the knowledge and skills to become a skilled and qualified Fibre Optics installation engineer”

This is an intensive two-day training course, which is designed to introduce candidates to the installation and testing of multi mode fibre optic systems. With the course itself covering subjects like the standards in use today as well as testing procedures, cable management and documentation, it is ideal for candidates wishing to enter into the fibre optics installation industry.

COURSE DURATION

2 day course

COURSE CONTENT**Overview**

- History
- Fibre Optic Advantages
- Standards in use today

Theory of Light

- Electromagnetic Spectrum
- Optical Windows
- Measurements used

Light Transmission in Fibre

- Bandwidth
- Dispersion
- Fibre Parameters
- Graded Index
- Single mode and Multi mode

Health & Safety

- Fibre Safety
- Light Source Safety
- Laser Safety
- Safe Working Practices BS7718

Cables

- Fault Diagnostics
- Fibre Manufacturing
- Primary Coated Fibres
- Multi Core Fibres
- External Cables

Connectors

- SC/ST Connectors
- Losses in a Connector

Cleaving & Splicing

- Pot and Polish
- Face Quality
- Cleaving Overview
- Fusion Splicing

Testing

- Attenuation
- Loss Budget
- Light Source & Power Meter

OTDR

- Operation
- Parameters
- Interpreting Results

FURTHER TRAINING

- Data Cabling Installation & Testing
- City & Guilds Fibre optic cabling internal/external 3666-02/03
- Advanced OTDR testing
- Designing and Planning of Communication systems 3663