

City & Guilds

Fibre Optics (single mode and multi mode)

3466-03 & 3466-02

Description: An intensive "Fast Track" course designed to incorporate both Single-Mode and Multi-Mode test and install fibre optic cabling for applications including video, CCTV and datacomms. This course is ideal for executives looking for an accelerated course to obtain better understanding of Single-Mode and Multi-Mode installation practice.

Venue: Fujikura Training Centre, Westbury, Wiltshire

Duration: Five Days

Dates: This course is offered continuously throughout the year. Please refer to the calendar enclosed for the start date of the next convenient course.

Price: Please refer to current price list. **FUJIKURA PRICE GUARANTEE.** We guarantee that you will not be able to find this course at a lower fee anywhere else in the UK. We will match any lower fee.

Course Content

INTRODUCTION

- Communications
- Pros and cons of fibre optics
- Measurement units
- Components

OPTICAL FIBRES

- Now fibre works
- Multi mode and Single mode
- Parameters of operation
- SAFETY
- BS.7718 recommendations
- Safe working practices
- Laser radiation and safety

CABLES

- Cable types and construction

CABLE INSTALLATION AND PREPARATION

- Cable handling issues
- Techniques and tools

JOINING FIBRES

- Why (loss occurs)
- Performance requirements

CONNECTORS

- Connectors basics
- Connector types
- PC
- Ultra/Super PC
- Angle Polish
- WDM
- Optical splitters
- Single mode connectors
- Termination techniques

OPERATING AN OTDR

- Step by step guide to procedure

SPLICING TECHNIQUES

- Fusion splicing
- Splicers
- Mechanical splicing
- The different types of splice
- Splicing - new developments
- Fusion vs mechanical
- Splicing vs connectors

SPLICING FIBRES

- Cleaving
- Trouble shooting
- Splicing parameters

SPLICER CARE

- Routine maintenance
- Care of electrodes

MECHANICAL SPLICING

- Splicing procedure

OTHER COMPONENTS

- Fusion splicing
- Splicers
- Mechanical splicing
- Termination & joint enclosures
- Transmitters & light sources

INSTALLATION

- Procedures to BS.7718 & BS.50173

TESTING

- Test equipment

INTRODUCTION TO OTDRs

- OTDR features and principles
- OTDR capability and limitation

ASSESSMENT

- City & Guilds written assessment
- Simulated installation exercise

How to Register

By Post: Please Complete the enclosed registration form and return it to
Fujikura Training Centre Brook Lane Westbury Wiltshire BA13 4ES

By Telephone: 01373 825582

By Fax: Please return your completed application form to Jenny Black – 01373 825824

By e-mail: training@fujikura.co.uk

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