

City & Guilds Fibre Optics (single mode) 3466-03

Description: This universally recognised qualification is an ideal way to get into communications cabling. It will provide you with the skills you need to professionally install and test Single-Mode fibre optic cabling. This course is also ideal for executives looking for a better understanding of Single-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
- **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**
 - PC
 - Ultra/Super PC
 - Angle polish
 - WDM
 - Optical splitters
 - Single mode connectors
- **OPTICAL FIBRES**
 - How fibre works
 - Multi mode and Single mode
 - Parameters of operation
- **SPLICING FIBRES**
 - Cleaving
 - Trouble shooting
 - Splicing parameters
- **SPLICER CARE**
 - Routine maintenance
 - Care of electrodes
- **MECHANICAL SLICING**
 - Splicing procedure
- **OTHER COMPONENTS**
 - Termination & joint enclosures
 - Transmitters and light sources
 - Receivers and detectors
- **INSTALLATION**
 - Procedures to BS.7718
- **TESTING**
 - Test equipment
- **INTRODUCTION TO OTDRs**
 - OTDR features and principles
 - OTDR capability and limitation
- **OPERATING AN OTDR**
 - Step by step guide to procedure
- **ASSESSMENT**
 - City & Guilds written assessment
 - Simulated installation exercise
- **SPLICING TECHNIQUES**
 - Fusion splicing
 - Splicers
 - Mechanical splicing
 - The different types of splice
 - Splicing - new developments
 - Fusion vs mechanical
 - Splicing vs connectors

How to register

By post: Please complete the enclosed registration form and return it to Fujikura Training, C51 Barwell Business Park, Leatherhead Road, Chessington, Surrey KT9 2NY.



By telephone: 020 8240 2000

By fax: Please return your completed application form to Wendy Stevens - 020 8240 2010

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

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