City & Guilds 3667-02
Unit 2 Fibre Optic Cabling in an Internal Environment

Description	This unit is concerned with the installation, splicing, connectorisation, termination and testing of fibre optic cable in a typical internal datacomms environment,
Venue	Centres: Melksham - Dunfermline - Peterborough - Lancaster - Surrey
Duration	Depending on units selected—Either 5 or 9 days

COURSE CONTENT

Working Safely with Optical Fibres in an Internal Environment

- Safe working procedures of installation of fibre cables
- Safe working in preparation of fibre cables
- Special precautions and safe working procedures in relation to splicing and termination

Recommended Installation Procedures

- Use of fibre optics in LAN.s
- Types of optical fibres
- Fibre specifications and parameters
- Fibre and cable test methods and documentation
- Components within an optical fibre communication system
- Best practices and fibre management of installation

Preparation for fibre connectorisation and Splicing

- Cable characteristics
- Constructional features of fibre optic cable
- Cutting and stripping tools
- Fibre preparation, cleaning and techniques used

Splicing Together Optical Fibres

- Principles and methods of splicing
- Cleaving
- Fusion and mechanical splicing equipment and applications
- Performance in relation to industry standards
- Troubleshooting

Terminating Fibre Optic Cable by Fitting Connectors

- Types and uses of common connectors
- Termination tools and materials
- Fitting procedures for connectors
- Common faults in termination
- Performance tests

Testing Fibre Optic Links

- Measuring loss
- Test equipment and their features
- Testing procedures
- Operating test equipment
- Understanding and identifying test results

Exam and Assessment Method

City & Guilds Multiple Choice Assessment

- Online 1 hour City & Guilds—Multiple choice

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