

OP-491 Splicing Course

(1) HEALTH & SAFETY

- Safety risks
- Fibre hazard
- Accessory hazards
- Power hazards
- Laser Classifications

(2) SPLICING INTRODUCTION

- Splicer features
- Types of splicer
- Splicer theory of operation
- Splice loss measurement
- Good and bad splices

(3) SPLICING PROCEDURE

- Parameter set up
- Fibre Stripping Methods
- Cleaving
- Fibre positioning and clamping
- Splicing the fibre
- Splice Protection
- Mechanical alternatives

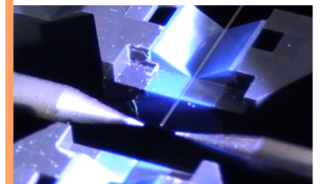
(4) FIBRE MANAGEMENT & JOINTING

- Fibre Cable Joints & Fibre Management principles
- Cable & Joint Preparation
- Sheath Stripping
- Fibre Cleaning
- Fibre routing into splice tray
- Splicing and Splice Protection
- Completing the fibre Joint.
- Optical Distribution Frames

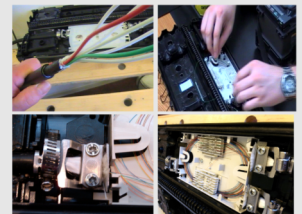
Test Insertion Loss



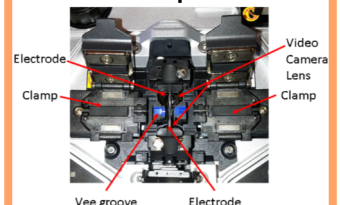
Place fibre in v-groove



Joint Cables



Splicer Care



Splice protection



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PRACTICAL EXERCISES SPLICING:

- Module 1 Splicing Practice

How to operate and maintain a fusion splicer and cleaver

- Module 2 Fibre & Cable Preparation

Preparation of a cable ready for splicing and jointing, including cable sheath removal, buffer tube removal and fibre cleaning

- Module 3 Jointing Cables In-Line

A standard 8 fibre joint is prepared and spliced – this is very useful for people new to fibre work as it gets people accustomed to handling fibre

- Module 4 Jointing - Adding a spur cable

Handling fibre that is already spliced in a joint, adding a spur cable is awkward, this reinforces fibre handling techniques

- Module 5 Making and Testing a Termination Joint and Wall Box connection

You will connect a fibre patch panel to a small wall-mount termination box, and you will test the quality of the link with a source and meter. This demonstrates how to splice pigtails on to a route cable between termination joints and how to test the link

- Module 6 Mechanical Splicing

Where fusion splicers are not available, this offers a good alternative

- Module 21 Terminating an Umbilical cable, (includes connector termination)

A cable is terminated into a gland with fan-out tubes and individual fibres are terminated using a hand polish technique

- Module 30 Making a Multiport mid span Joint

You will remove a section of sheath from a multi-tube cable and loop the tubes into a flexibility joint without breaking the tubes. You will then connect a spur cable and splice a group of fibres into the main cable fibres.

- Module 31 Making a wall mount box □ Tyco Budi type

A multifibre cable is terminated and spliced into a configurable wall mount box.

OP-491 Duration : 1 Day

Course can be tailored to suit specific requirements – please contact us on +44 (0) 1419517822 to discuss your needs.

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