



The Optronics OPT-FSPL MK II compact fusion splicer uses a core-to-core alignment system for optimal splicing of optical fibres. Suitable for use with MM and SM fibres including DS, NZDS and G657. Five standard programmes are available and users can configure their own programs. With an average splice time of 8 seconds and a heat shrink time of 35 seconds the OPT-FSPL MK II provides a very fast termination process. Before splicing, the OPT-FSPL MK II checks the end faces of the fibre ensuring the accuracy of the cleave angle in order to provide the optimum splice conditions. In the event of it not being suitable, a warning will be displayed on screen detailing what the problem is enabling the user to rectify it without wasting time.

Average splice losses of below 0.02dB for SM and 0.01dB for MM make it suitable for both data and telecoms applications. The estimated loss is displayed on screen after splice operation and recorded in the memory for future information. After splicing, a 2N tension test is automatically carried out when the wind shield is lifted in order to prove the strength of the fused joint. The standard rechargeable battery will ensure a full days work with a life of 120 cycles, splice and heat shrink operation, with a short re-charge time of around 4 hours. The splicer is very compact and lightweight and is supplied complete in its own hard carry case making it ideal for use in the field.

The standard OPT-FSPL MKII-KIT comprises the fusion splicer, cleave tool, internal battery and charger, spare electrodes, cooling tray, buffer stripper and hard carry case with strap.

Cleave Tool

The Optronics high precision cleave tool is supplied as standard with the Optronics OPT-FSPL fusion splicer. It is a compact design and is supplied in its own carry case. The 16 position cleave wheel is capable of up to 3000 uses per position giving a total of 48000 cleaves before the wheel needs to be changed. A wrench is supplied in the base of the unit so when the time comes to move the blade to the next position it can be done easily and with little fuss. This is also used to remove the cleave wheel when it needs to be changed. It can be used with both 250um and 900um fibres with a cleave length of 10-20mm.

Features

- Compact and light weight
- Shock and drop resistant
- Integrated Splice On Connector holder
- Core to Core active alignment
- Large colour LCD screen
- Simultaneous X and Y views
- Multiple Languages
- Results storage
- 8 second splice time
- 35 second heat shrink time
- Long battery life (120 cycles)
- Illuminated splice area for ease of use in poor light conditions
- Max. wind velocity of 15 m/s
- Max. operating altitude : 5,000 m

Applications

- Fibre cable splicing
- Pigtail to cable splicing
- Splice-On-Connectors
- Enterprise and Telecommunications networks
- FTTx

Specification

DESCRIPTION

Monitor	4.3 inch colour LCD, simultaneous display of X and Y axis
Heater	Internal heat shrink oven
Storage	8000 results
Data Transmission	USB
Applicable Fibres	SM, MM, DS, NZDS, EDF
Cladding Diameter	85 to 150µm
Sheath Diameter	100 to 3000µm
Fibre Cleave Length	8-22mm
Splicing Mode	Auto, Semi-Automatic and Manual
Average Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04(NZDS)
Return Loss	>60dB
Operating Temperature	-25 to +50°C
Storage Temperature	-40 to +80°C
Relative Humidity	0 to 95% non condensing
Protection Sleeve Length	20mm - 60mm
Tension Test	2.0N

DESCRIPTION

Language	English, Spanish, German, Chinese, and Russian
Power Supply	AC 100 - 240V, 50/60Hz or 15V DC
Battery	Li-Ion 15V 6Ah
Dimensions	135mm (W) x 138mm (H) x 142mm (D)
Weight	1.95 kg
Warranty	4 Year

Ordering Information**DESCRIPTION****VALUE**

Fusion splicer, internal battery, charger, spare electrodes, cooling tray, precision cleave tool, buffer stripper, carry case	OPT-FSPL-2-EU
Precision Cleave Tool	OPT-FSPL-PCT
Electrodes for fusion splicer	OPT-FSPL-ELECII

Further Information

- For additional information please contact your sales representative
- Downloaded from <http://www.fibrefab.com/products/tools-test-equipment/fibre-optic-compact-fusion-splicer-mk-ii/>
- FibreFab reserves the right to make changes to the product specifications in this datasheet at any time without notice
- Information in this document is correct as of December 14, 2015

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