



**EFO400B**

Right splicing

Defective splicing

## Mechanical splicing

Mechanical splicing is very widely used on building site to settle or maintain optical transmission lines. The process used (transparent splicing) enables to check on-site the accuracy of the junctions without any expensive control device. Therefore, it is compulsory to train the future installation and maintenance technicians in specific professional skills they will have to master for their future activity.

### Educational purpose

- Mastering fiber optics involves:
- ✓ A handling step (preparation, connection, cleanliness...).
  - ✓ Technical understanding.
  - ✓ Manipulation skills acquisition.

### Studied topics

- ✓ Fiber manipulation and preparation.
- ✓ Cleaning, stripping and cleaving.
- ✓ Mechanical splice setting: transparent, reusable for fiber connections.
- ✓ Use of the red laser to find mechanical stresses and laser alignment aid.

### Targeted training

- ▶ Vocational training in electricity/electronics, digital telecommunications
- ▶ Higher technician school

### Standard configuration

| EFO 400 B – Basic package Mechanical splicing including: |   |     |
|--|---|-----|
| Reference  | Description   | Qty |
| EFO400000  | Tool box for mechanical splicing with stripper, cleaver tools, red laser, cleaning kit. | 1   |
| EFO401000  | Transparent mechanical splice kit (50 pieces).  | 2   |
| EFO001000  | Optical fiber, 900-µm optical cladding, with SC/APC connector, L=10 m.                  | 1   |

### Indispensable accessory:

EFO002000: laser protection glasses, OD value > 4 on the range 1000/1600 nm  
*Updated: 15/09/02*