

# Installation Instructions for Lifeline® QFCI Optical Fiber Cables



Technical Information Sheet #601

## Installation Guideline for QFCI

The details of cable construction and cable properties can be obtained on data sheet TIS #600

### Pulling of the Cable

For minor pulling forces (200-500 N) a pulling sleeve can be used. However if larger pulling force is required, the force must be transferred to the central strength member.

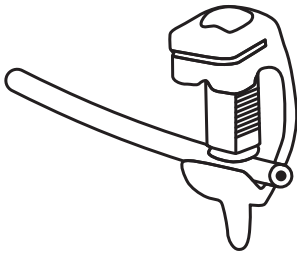
### Bending

Minimum bending diameter is 250 mm. The individual fiber tubes can be bent down to a diameter of 100mm.

### Dismantling – Each Element

#### Outer sheath

The sheath should be cut around in a circle at the required point. Then the cable should be bent carefully forth and back a couple of times. The sheath should/must be split before removal.



*Removal of outer sheath can be done with a special circle cutting tool or with an ordinary knife since the layer under the sheath is steel wire braiding. This braiding will protect the cable core*

#### Steel wire braiding

The braiding should be pushed backwards so the wires are accessible with a wire-cutting tool.

#### Glass tape (black color)

Unwind the tape and cut it with a suitable cutting tool.

#### Inner sheath

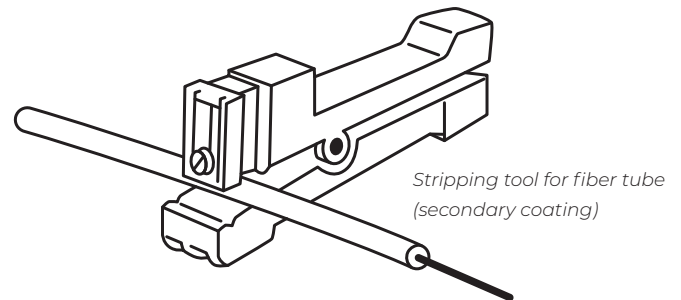
The sheath should **carefully** be cut around in a circle at the required point. Then the cable should be bent carefully forth and back a couple of times. The sheath can be split for easier removal. To avoid damage of fiber tubes, the sheath should not be cut completely through.

#### Glass tape (black color) on tubes

Unwind the tape and cut it with a suitable cutting tool.

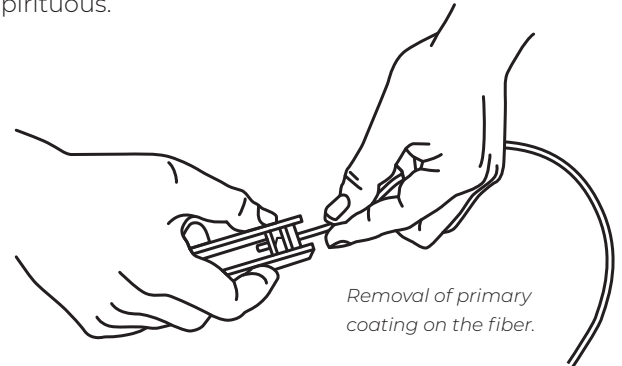
#### Fiber tubes

The fiber tubes can easily be removed with a special stripping tool. The tool must ensure a complete cut through the plastic without damage to the fibers.



#### Primary coating on the fiber

A specially designed tool for removal of primary coating is necessary. The fibers can then be cleaned with a soft paper or clean textile cloth (gauze) moisten with pure spirituous.



#### Central strength member - steel

The plastic coating can be removed by making a cut with a sharp knife and the pulled off by hand.