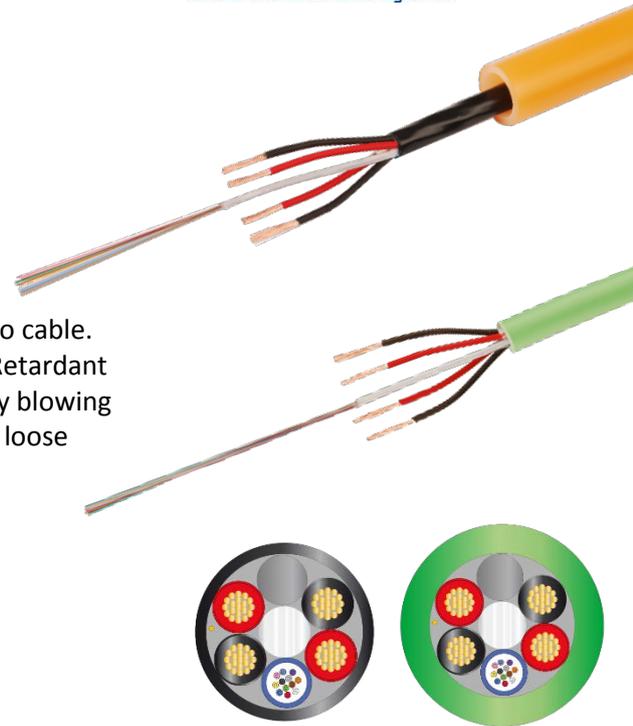


## Introduction

This instruction contains information how to open Hybrid Micro cable. The Hybrid Micro cable exists in two version, Duct and Flame Retardant In-Outdoor jacketed. Duct version is intended to be installed by blowing technique. Hybrid Micro cable contains small power cords and loose tubes with fiber.

Read through the whole instruction before starting the work.



## Opening Instruction

### Sheath removal, cable end.

At 100-150mm from the cable end, make a notch around the whole circumference of the cable, using the sheath cutter LDK 195 03 for Duct version and LDK 1951 for In-Outdoor version.

**!! Check the cutting depth before using the sheath cutter.**

**The tool should be adjusted so that the sheath is not completely cut through after the notch is done.**



For duct version, make a slit along the cable from the notch to the end using the LDK 19503 (note that the blade with rounded edge shall be used). For In-Outdoor version slightly bend the cable to make the sheath to break in the cutted area

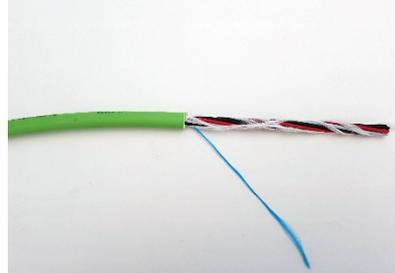
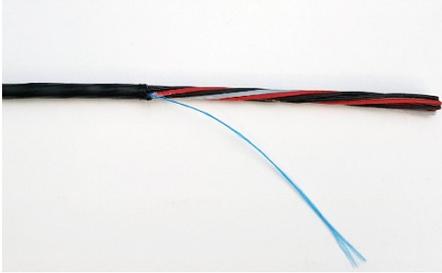


# Installation Instructions

## Hybrid Microcable TOL 40790+

### **Remove the sheath.**

The piece of sheath is now easily removed from the end of the cable, exposing the ripcord.



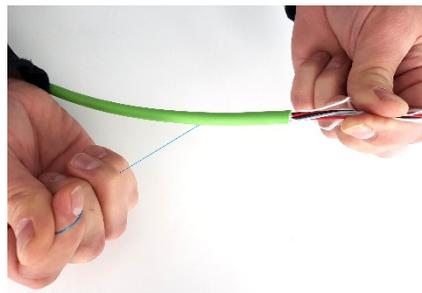
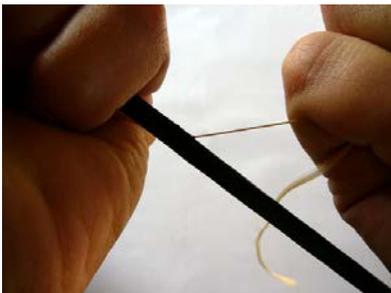
### **Mark the total distance to be opened.**

Mark it with a pen or a piece of tape. Once again make a notch around the whole circumference of the cable, using the sheath cutter LDK 195 03 for Duct version and LDK 1951 for In-Outdoor version.



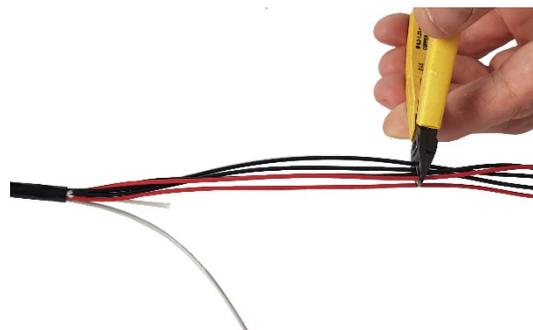
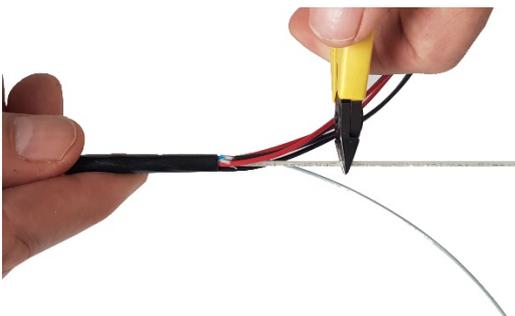
### **Remove the sheath.**

Tear the sheath up by pulling the ripcord all the way to the second notch on the cable.



### **Cut the strength member and power cords**

length according to termination box instruction

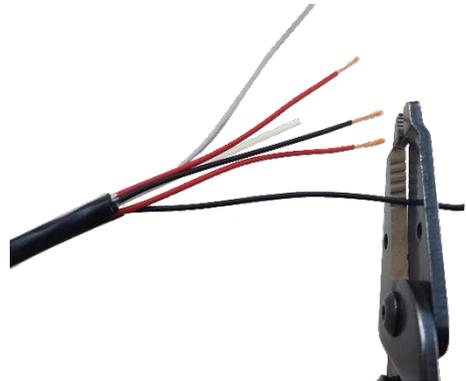


# Installation Instructions

## Hybrid Microcable TOL 40790+

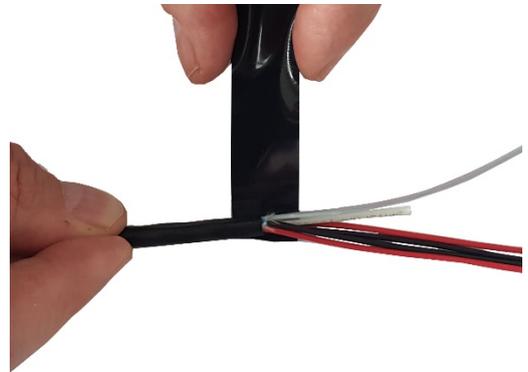
### **Remove insulation of power cords**

Use a suitable standard tool for the wire size to remove the insulation.  
length according to termination box instruction  
( $\approx 12\text{ mm}$ )



### **Secure bending radius of fiber tube**

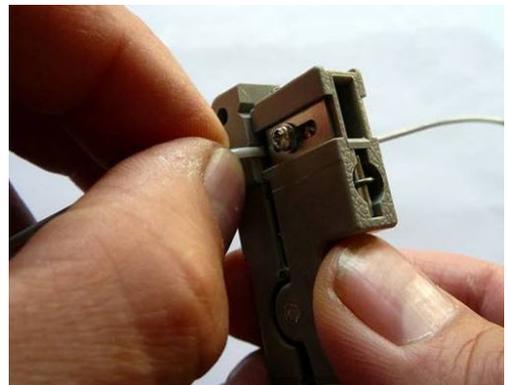
To ensure a secured bending radius of fiber tube.  
Apply a plastic tape at end of outer cable jacket according to picture below.



### **Remove fiber tube**

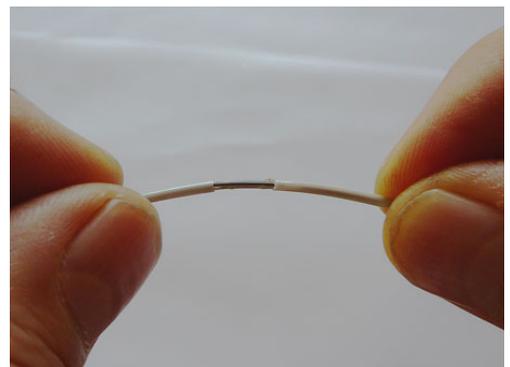
Make a notch around the tube using the tube cutter LDK 195 03/1.

**!! Be careful not to damage the fibers. Set a very shallow cutting depth.**



Carefully break the tube at the notch and pull off the tube.

If a long length of tube is removed do not take too much in one cut. A length of 30-40cm for each cut is recommended.



## Tools

1. Sheath cutter LDK 195 03
2. Tube cutter LDK 195 03/1
3. Sheath cutter LDK1951
4. Pair of Pliers
5. Wire stripper



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