



10 mm gas-block connector end

ACE-II-1019-v01-e

date : 15-10-2018

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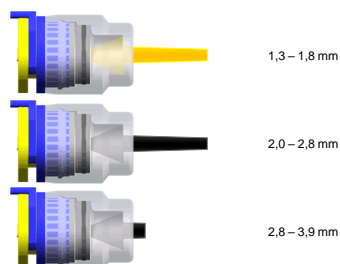
1 Introduction

The ACE portfolio includes an enhanced collection of tube connectors, like straight, reduction, end and gas-block versions. This instruction explains the installation of the gas-block end connector for 10 mm tubes.

75 tube connectors are put together with two types of sealing and lubricator in a box.

The sealings allow to use the connectors as a gas-block connector for a dedicated sealing diameter. With this approach the tube connector can be used for a wide range of cables.

In this document the installation is explained of the tube connector in combination with a MUC cable and the CTMC cable.



For certain configurations the gas-block connector offers the possibility to fix the tension members (aramide yarns) of the cable.

1.1 Documentation

Document	Title	Autor
ACE-II-2008	Peeling instruction MUC	TKF
ACE-II-2006	Peeling instruction CTMC	TKF



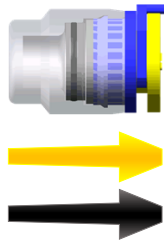
2 Products

The product exists of different parts:

- 1- The 10mm end connector, with a hole
- 2- Yellow seal for cable diameter 1.3 – 1.8 mm
- 3- Black seal for cable diameter 2.0 – 2.8 mm

Optionally the black seal can be cut to enlarge the sealing range from 2.8 – 3.9 mm.

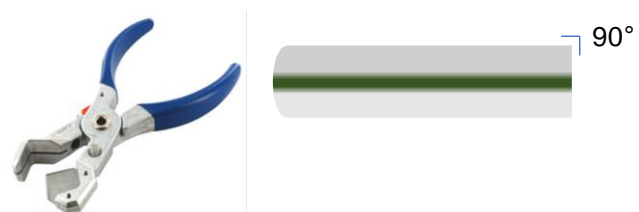
75 connectors and seals are packed in one box, together with lubricator.



2.1 Preparation

It is assumed that the cable is already blown inside the tube. The connector is applied at the end of the tube.

Before assembly of the connector, be sure that the 10mm tube is cut straight with the correct tooling, for example the tube cutter art. nr. 401345.



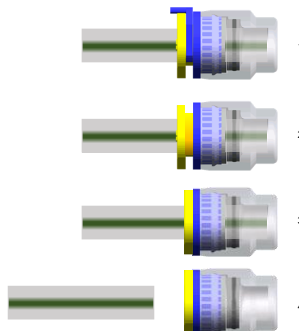
The connector is a push-fit type. It means that the connector should be pushed firmly on the tube for fixation. To remove the connector from the tube, first remove the secure clip, push the sleeve and pull the tube out of the connector.

Insertion of the tube:

- 1- Push the tube as far as possible in the connector. The end of the tube is visible at the connector end.

Removal of the tube:

- 2- Remove the (blue) secure clip
- 3- Push the (green) sleeve of the connector against the (blue) collar of the connector.
- 4- Remove the tube from the connector



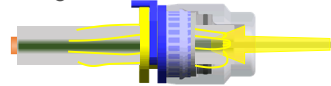
3 Instruction

The 10 mm end connector can be applied in four different configurations

Sealing range 1.3 – 1.8 mm with tensile function.

This assembly seals the inner tube of a MUC Ø2.5 mm cable. The tension members of the cable are fixed in the assembly.

Refer to chapter 3.1

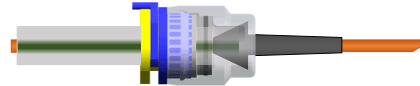


Applies to MUC 2 – 12 fibre inner tube

Sealing range 2.0 – 2.5 mm.

This assembly seals the outer sheath of a MUC Ø2.5 mm cable.

Refer to chapter 3.2

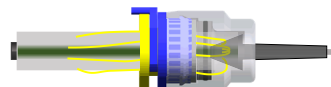


Applies to MUC 2 - 12 fibre

Sealing range 2.0 – 2.5 mm with tensile function.

This assembly seals the inner tube of a MUC Ø3.0 mm cable. The tension members of the cable are fixed in the assembly.

Refer to chapter 3.3

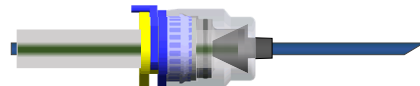


Applies to MUC 24 fibre
Applies to CTMC inner tube

Sealing range 2.8 – 3.9 mm.

This assembly seals the outer sheath of a CTMC cable (diameter Ø 3.9 mm)

Refer to chapter 3.4



Applies to MUC 24 fibre and CTMC cable

3.1 Sealing range 1.3 – 1.8 with tensile function

Cut the end of the cable with a small angle, to support the pushing of the cable through the seal.

Mind that the end of the mini tube is cut straight.



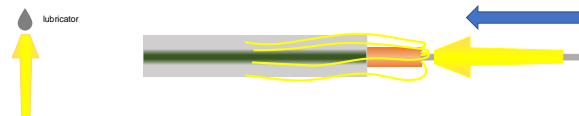
Strip away the outer sheath of the cable near by the location of the tube



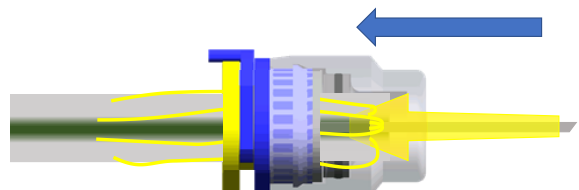
Fold back the aramide yarns over the mini-tube



Apply a few drops of lubricator on the end of the seal. Push the seal over the tube of the cable towards the mini-tube.



Push the connector over the cable and firmly against the mini-tube. The end of the tube is clearly visible in the tube connector.



3.2 Sealing range 2.0 – 2.5

Cut the end of the cable with a small angle, to support the pushing of the cable through the seal.

Mind that the end of the mini tube is cut straight.

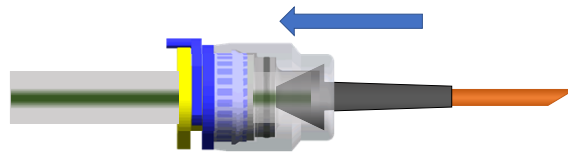


Apply a few drops of lubricator on the end of the seal. Push the seal over the cable towards the mini-tube.





Push the connector over the cable and firmly against the mini-tube. The end of the tube is clearly visible in the tube connector.



3.3 Sealing range 2.0 – 2.5 with tensile function

Cut the end of the cable with a small angle, to support the pushing of the cable through the seal. Mind that the end of the mini tube is cut straight.



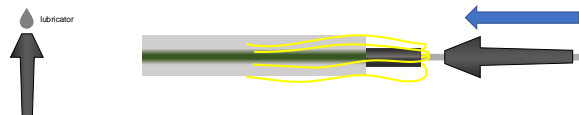
Strip away the outer sheath of the cable near by the location of the tube



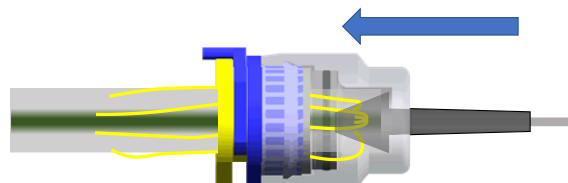
Fold back the aramide yarns over the mini-tube



Apply a few drops of lubricator on the end of the seal. Push the seal over the tube of the cable towards the mini-tube.



Push the connector over the cable and firmly against the mini-tube. The end of the tube is clearly visible in the tube connector.

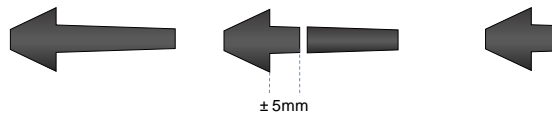


3.4 Sealing range 2.8 – 3.9

Cut the end of the cable with a small angle, to support the pushing of the cable through the seal. Mind that the end of the mini tube is cut straight.



Cut the seal appr. 5mm behind the head.



Apply a few drops of lubricator on the end of the seal. Push the seal over the cable towards the mini-tube.



Push the connector over the cable and firmly against the mini-tube. The end of the tube is clearly visible in the tube connector.

