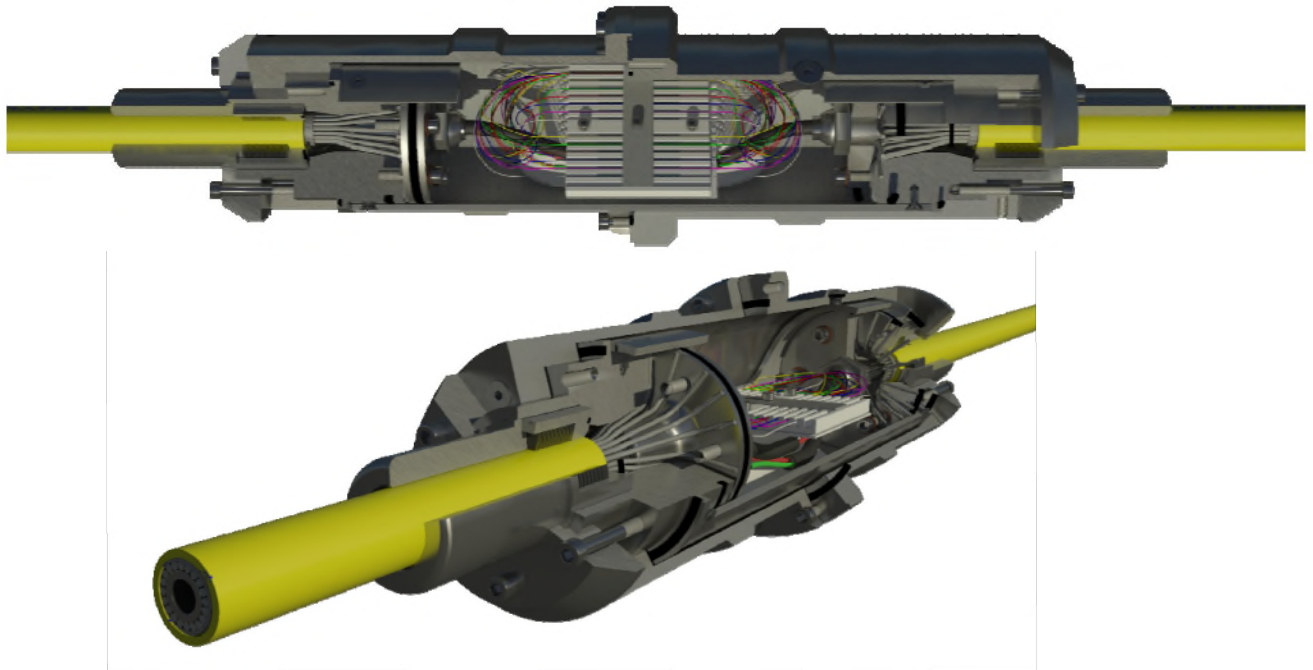


SUBMARINE FIBRE OPTIC JOINT



DESCRIPTION:

Submarine fibre optic joint proposed by PCS Italiana provide a quick and reliable jointing for submarine fibre optic cables and also provide a safe and reliable mechanical tensioning and pulling of the submarine cable armour in order to respond at the mechanical stresses to be considered during deployment stage.

The solution has been studied for cables up to 96 fibres and can be easily re-sized to allocate larger solutions.

Fibre jointing is made by fusion splicing to avoid losses in fibre signal and the joint chamber will be completely sealed after jointing to prevent any water ingress.

The joint has been tested in cooperation with Tratos Cavi to an independent laboratory for a pressure of 200 bar equal to application up to 2000 m depth.

MATERIAL:

- Main Body: SS316L
- Optic Joint Slot: Nylon or polyurethane

MAIN DIMENSIONS:

- Length: 700 mm
- Diameter: 180 mm

ENTRY DATA FOR DIMENSIONING:

- Cable type and diameter
- Pulling force
- Water depth