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FIBER OPTIC  
DISTANCE CABLE

## FO-DC6

### Key Features

- Temperature range: -40°C to +85°C
- Waterresistant
- Nonmetallic animal protection
- fixed outdoor usage
- In-earth usage



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# FO-DC6

## TECHNICAL SPECIFICATION

## DESCRIPTION

Due to the growing demand for energy, existing power plants are stretched to their limits. High power generators are often filled with hydrogen in order to cool effectively. For isolating the windings of a transformer oil is used. Besides the heavily contaminated electromagnetic environment the risk for explosions is high.

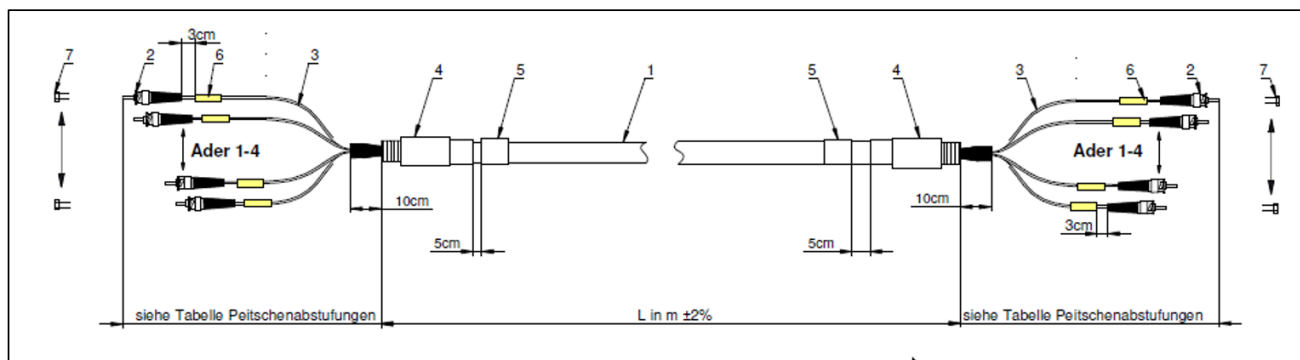
To ensure operational safety, critical factors such as temperature have to be monitored in generators and transformers. The fiber optic technology of Weidmann is Expanded for outdoor location usage for distance cables.

Weidmann offers the FO-DC6 as a distance cabling solution for six 200um fiber optical channels and up to 500 m between sensor location and signal conditioner location. The FO-DC6 distance cable is designed robust enough for in-earth usage. It is protected against animal attacks. With its water protection it is the optimal solution for an installation in technical unfriendly environment.

The length of the distance cable is completely variable, without affecting the accuracy of the measurement results.

Inner Material	PVC
Outer Material	PE
Aount PCF-Elements (200/230)	6
Ader-Ø [mm]	3.5 mm
Außen-Ø [mm]	7.5 mm
min. bending radius (short term)	120 mm
min. bending radius (long term)	100 mm
max. load (short term)	1200 N
max. load (long term)	1000 N
Weight	ca. 80 kg/km
Operating Temperature	-40 – 70 °C

## DIMENSIONS



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