

## EC - 001 / 002 / 003

## Extension Cable

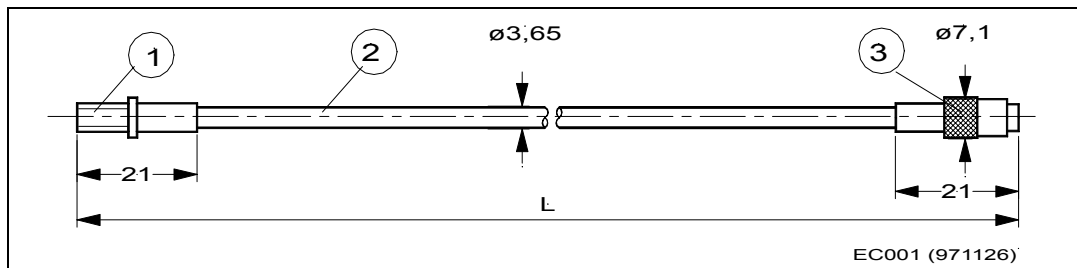
## 1 Application

The extension cable *is part of the Brüel & Kjær Vibro displacement measuring chain*, comprising:

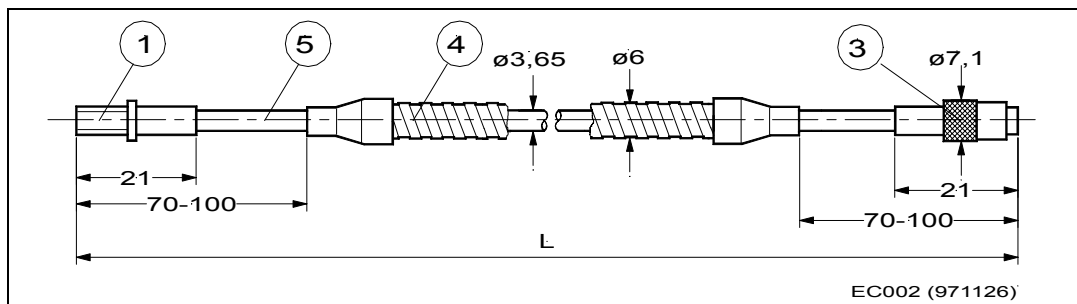
- Non-contacting displacement sensor
- Extension cable
- Oscillator.

The displacement measuring chain serves for non-contacting displacement measurement according to the eddy-current principle.

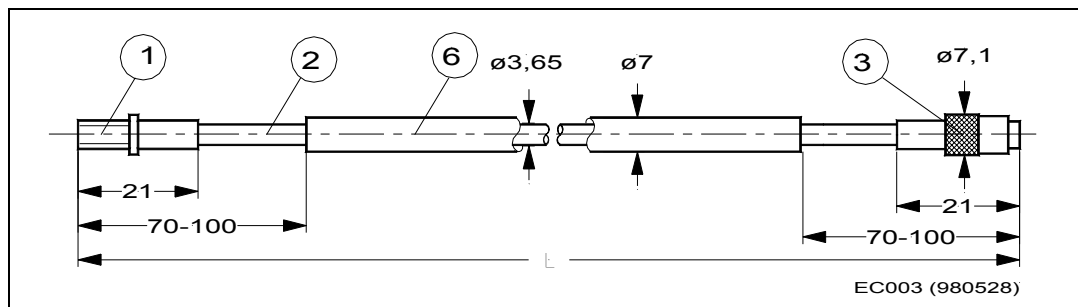
## 1.1 Dimensioned drawing EC-001



## 1.2 Dimensioned drawing EC-002



### 1.3 Dimensioned drawing EC-003



#### 1.3.1 Variable dimensions

Cable length L	4.0 m ± 0.2 m
	4.5 m ± 0.3 m
	9.0 m ± 0.4 m with OD - 053 only
	9.5 m ± 0.6 m with OD - 053 only

**Note:**

*The extension cable is part of the electrical resonant circuit and is harmonized accordingly. For this reason, its length must not be modified. The total cable length (nominal length of sensor cable and extension cable) must be 5 m or 10 m (OD - 053).*

*Connection of the sensor to the associated oscillator.*

*Secure the connecting plug carefully to avoid loosening.*

## 2 Technical Data

Item 1	Coaxial socket, internal contact gold-plated
Item 2	Coaxial cable as per MIL-C-17E Teflon insulated, 95 Ω Admissible operating temperature: -50 °C ... + 200 °C
Item 3	Coaxial connector, internal contact gold-plated
Item 4	Steel protective hose, flexible and rust-proof
Item 5	Coaxial cable as per MIL-C-17E Teflon insulated, 95 Ω Admissible operating temperature: -50 °C ... + 200 °C
Item 6	Protective plastic hose Admissible operating temperature: -50 °C ... + 140 °C