

# Sensor-/Actuator Cable

## PUR Sensor cable

suitable for cable tracks



· PUR-Sensorleitung 16 x 0,5 mm<sup>2</sup> + 3 x 1,0 mm<sup>2</sup> CE



marking example:

SAB BRÖCKSKES · D-VIERSEN · PUR-Sensorleitung 16 x 0,5 mm<sup>2</sup> + 3 x 1,0 mm<sup>2</sup> CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	SABIX®
<b>Colour code:</b>	acc. to colour code Euchner
<b>Stranding:</b>	specially adjusted layering
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Sheath colour:</b>	grey (RAL 7000)

### Outstanding features:



- halogen-free
- small outer diameter
- suitable for cable tracks
- high abrasion resistance
- very good flexibility

item no.	no. of cores x cross section	outer-ø	copper figure	cable weight	ohmic resistance at 20°C max. Ω/km
	n x mm <sup>2</sup>	mm	kg/km	≈ kg/km	
07489001	16 x 0,50 3 x 1,00	11,7 ± 0,3	105,6	168	39,0 19,5
07489002	9 x 0,50 3 x 1,00	9,5 ± 0,3	72,0	117	39,0 19,5

Other dimensions and colours are possible on request.

### Technical Data:

<b>Nominal voltage:</b>	Uo/U 300/500 V
<b>Testing voltage:</b>	core/core 2000 V
<b>Min. bending radius</b>	
fixed laying:	5 x d
flexible application:	10 x d
continuously flexible:	12 x d
<b>Radiation resistance:</b>	5 x 10 <sup>6</sup> cJ/kg
<b>Temperature range</b>	
fixed laying:	-40/+90 °C
flexible application:	-20/+90 °C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Oil resistance:</b>	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union



PUR Sensor cable also possible  
with reticulated by irradiation  
outer sheath! Item group 0355

## Data Cables

## Optical waveguide

1 x POF



CE BRÖCKSKES · D-VIERSEN · POF-Aderleitung 06709001



SAB BRÖCKSKES · D-VIERSEN · POF-Aderleitung 06709001

### Construction:

<b>Optical waveguide:</b>	POF
<b>Colour code:</b>	black
<b>Strain relief:</b>	aramid wrapping
<b>Sheath material:</b>	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with mat surface
<b>Sheath colour:</b>	blazing red (RAL 3000)

### Outstanding features:



- insensitive against  
electromagnetic interferences
  - flexible
  - high abrasion resistance
  - good reversed bending strength
- POF: polymer optical fibre

### Technical Data:

<b>Bending radius</b>	
short time use:	> 30 mm (with installation, not operating)
continuously:	> 80 mm
continuously in cable track:	> 100 mm
<b>Strain relief:</b>	max. 1680 N
<b>Temperature range</b>	
storage:	-20/+70 °C
operation:	0/+70 °C
<b>Specific impedance:</b>	0,2 dB/m at 650 nm
<b>Reversed bending strength:</b>	> 100.000 cycles ± 90°, r=100 mm, drawing force 2 N
<b>Bending attenuation:</b>	additionally 0,2 dB/m for 10 windings with r=50 mm
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union

item no.	outer diameter mm	weight ≈ kg/km
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06709001 6,00 ± 0,20 30,0

Other dimensions and colours are possible on request.



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