

Sensor-/Actuator Cable

PUR Sensor cable

suitable for cable tracks



Marking for PUR Sensor cable 07489001:

SAB BRÖCKSKES · D-VIERSEN · PUR-Sensorleitung 16 x 0,5 mm² + 3 x 1,0 mm² CE

Construction:

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

Outstanding features:



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

Technical Data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage:	core/core 2000 V
Min. bending radius	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
<i>continuously flexible:</i>	12 x d
Radiation resistance:	5 x 10 ⁶ cJ/kg
Temperature range	
<i>fixed laying:</i>	-40/+90 °C
<i>flexible application:</i>	-20/+90 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Absence of harmful substances:	acc. to RoHS directive of the European Union

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

Other dimensions and colours are possible on request.

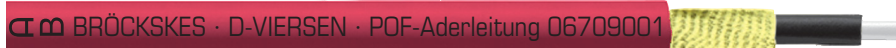


PUR Sensor cable also possible with reticulated by irradiation outer sheath! Item group 0355

Data Cables

Optical waveguide

1 x POF



Marking 06709001:

SAB BRÖCKSKES · D-VIERSEN · POF-Aderleitung 06709001

Construction:

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

Outstanding features:



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

Technical Data:

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

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

Other dimensions and colours are possible on request.

