

Sensor-/Actuator Cable

PUR Sensor cable

suitable for cable tracks



· PUR-Sensorleitung 16 x 0,5 mm² + 3 x 1,0 mm² CE



marking example:

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

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 ²	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:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	core/core 2000 V
Min. bending radius	
fixed laying:	5 x d
flexible application:	10 x d
continuously flexible:	12 x d
Radiation resistance:	5 x 10 ⁶ cJ/kg
Temperature range	
fixed laying:	-40/+90 °C
flexible application:	-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



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

Data Cables

Optical waveguide

1 x POF



BRÖCKSKES · D-VIERSEN · POF-Aderleitung 06709001



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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	
short time use:	> 30 mm (with installation, not operating)
continuously:	> 80 mm
continuously in cable track:	> 100 mm
Strain relief:	max. 1680 N
Temperature range	
storage:	-20/+70 °C
operation:	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
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06709001 6,00 ± 0,20 30,0

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