

# Data & Sensor Cables

## S 355

PUR sensor cable, reticulated by irradiation



Marking for S 355 3559037:

SAB BRÖCKSKES · D-VIERSEN · LI9Y11Y 3559037 AWM Style 21198 80°C 300V CE

### Construction:

<b>Conductor:</b>	bare copper strands, fine wires
<b>Insulation:</b>	TPE, thermoplastic material on basis of TPE-E 03559037: PP
<b>Insulation:</b>	TPE, thermoplastic material on basis of TPE-E
<b>Color code:</b>	3 cores 22 AWG: brown, black, blue 4 cores 22 AWG: white, blue, black, brown 20 AWG: green/yellow
<b>Stranding:</b>	specially adjusted layering
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, reticulated by irradiation
<b>Jacket color:</b>	orange or black

### Outstanding features:



- flexible installation
- reticulated by irradiation
- high abrasion resistance
- halogen-free
- free from paint wetting impairment substances (PWIS-free)
- suitable for cable tracks

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V (AC) 03559037: max. 300 V
<b>Voltage UL:</b>	03559037: 300 V
<b>Test Voltage:</b>	conductor/conductor: 2000 V
<b>Min. bending radius:</b>	<b>03559037:</b>
<i>fixed installation:</i>	5 x O.D. 5 x O.D.
<i>free movement:</i>	7.5 x O.D. 10 x O.D.
<b>Capacitance:</b>	see page O/9
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range:</b>	<b>03559037:</b>
<i>static:</i>	-50/+105°C -50/+90°C
<i>flexible:</i>	-40/+105°C -50/+90°C
<b>Oil resistance:</b>	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Approvals:</b>	UR AWM, CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors	nominal cross section AWG	jacket color	nominal outer-ø inch	mm	cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km
▶ 3559026	4	22	orange	0.189	4.8 ± 0.2	21	56
▶ 3559025	3	22	orange	0.189	4.8 ± 0.2	19	56
▶ 3559027	4	22	orange	0.205	5.2 ± 0.2	27	56
	1	20					38
▶ 3559037	4	22	black	0.193	4.9 ± 0.2	22	56

Other dimensions and colors are available on request