

Sensor Cables

S 355

PUR sensor cable



Marking for S 355 3559026:

SAB BRÖCKSKES · D-VIERSEN · LI9Y11Y 3559026 AWM Style 21198 80°C 300V



LI9Y11Y 3559037 AWM Style 21198 80°C 300V

Marking for S 355 3559037:

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

Construction:

Conductor:	bare copper strands, fine wires
Insulation:	3559026, 3559025, 3559027: TPE, thermoplastic material on basis of TPE-E 3559037: PP
Insulation:	TPE, thermoplastic material on basis of TPE-E
Color code:	3 conductors: 22 AWG: brown, black, blue 4 conductors: 22 AWG: white, blue, black, brown 20 AWG: green/yellow
Stranding:	specially adjusted layering
Wrapping:	non-woven tape
Jacket material:	PUR, reticulated by irradiation 3599037: PUR
Jacket color:	3559026, 3559025, 3559027: orange 3559037: black

Technical data:

Peak operating voltage:	max. 350 V (AC) 3559037: max. 300 V	
Voltage UL:	3559037: 300 V	
Test Voltage:	conductor/conductor: 2000 V	
Min. bending radius:		3559037:
<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.
Capacitance:	see page O/9	
Radiation resistance:	8 x 10 ⁷ cJ/kg	
Temperature range:		3559037:
<i>static:</i>	-50/+105°C	-50/+90°C
<i>flexible:</i>	-40/+105°C	-40/+90°C
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.	
Approvals:	UR AWM, CE, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

Outstanding features:

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

item no.	no. of conductors	nominal cross section AWG	jacket color	outer-ø		cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km
				inch	mm		
▶ 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	57.4

Other dimensions and colors are available on request

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