

Data & Sensor Cables

Sensor plus 250

High temperature resistant PFA insulated sensor cable up to +250°C



Marking for Sensor plus 250 38390432:

SAB BRÖCKSKES · D-VIERSEN · Sensor plus 250 4 x AWG 32/7 3839-0432

Application: High temperature resistant sensor cable up to max. +250°C for measuring and testing technology. Supply cable for miniature sensors. Strain gauge supply cable for smallest bending radii. Connecting cable for modular technology.

Construction:

Conductor:	silver-plated copper strands
Insulation:	PFA
Color code:	DIN 47100, see page O/26
Wrapping:	foil
Shielding:	tinned copper braiding, optical coverage $\geq 85\%$
Jacket material:	PFA
Jacket color:	black (RAL 9005)

Technical Data:

Peak operating voltage:	max. 48 V
Testing voltage:	conductor/conductor: 600 V conductor/shielding: 600 V
Min. bending radius	
<i>fixed installation:</i>	2 x O.D. (one single bend)
<i>flexible application:</i>	10 x O.D.
Temperature range:	
<i>static:</i>	-90/+250°C
<i>flexible:</i>	-55/+250°C
Dielectric constant:	approx. 2.1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	very good
Hydraulic oil resistance:	very good
Fuel resistance:	very good
Battery acid resistance:	very good
UV resistance:	very good
Ozone resistance:	very good
Saltwater resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

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Outstanding features:

- Temperature resistance up to +250°C
- low capacity
- absolutely weather resistant
- high abrasion resistance
- very good chemical resistance
- small outer diameter

item no.	no. of conductors	nominal outer- ϕ $\pm 5\%$ inch	$\pm 5\%$ mm	cable weight \approx lbs/mft
▶ AWG 34/7 38390234	2	0.071	1.8	5
▶ AWG 32/7 38390432	4	0.083	2.1	7
▶ AWG 30/7 38390330	3	0.083	2.1	7
▶ AWG 28/7 38390628	6	0.106	2.7	13

Other dimensions and colors are available on request



Possible on request:

- harnessed cable
- also available without copper braiding