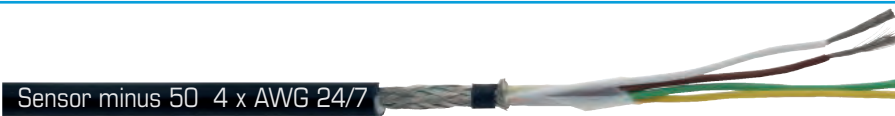


# Sensor Cables

## Sensor minus 50

Low temperature resistant FEP insulated sensor cable up to -50°C



Marking for Sensor minus 50 38360424:

SAB BRÖCKSKES · D-VIERSEN · Sensor minus 50 4 x AWG 24/7 3836-0424

**Application:** Low temperature resistant sensor cable down to -50°C for measuring and testing technology. Supply cable for miniature sensors. Strain gauge supply cable with smallest bending radii for indoor and outdoor use.

### Construction:

<b>Conductor:</b>	tinned copper strands, silver-plated from AWG 32
<b>Insulation:</b>	FEP
<b>Color code:</b>	DIN 47100, see below
<b>Wrapping:</b>	foil
<b>Shielding:</b>	tinned copper braiding, optical coverage ≥ 85%
<b>Jacket material:</b>	PUR 420 with matte surface
<b>Jacket color:</b>	black (RAL 9005)

### Outstanding features:



- highest flexibility even with low temperatures down to -45°C
- absolutely weather resistant
- very easy installation due to anti-adhesive outer jacket - avoidance of stick-slip effect
- low capacity
- smallest bending radius
- easy harnessing
- small outer diameter

### Technical Data:

<b>Peak operating voltage:</b>	max. 48 V
<b>Testing voltage:</b>	conductor/conductor: 600 V conductor/shielding: 600 V
<b>Min. bending radius</b>	
fixed installation:	2 x O.D. (one single bend)
free movement:	10 x O.D.
<b>Temperature range cable:</b>	
static*:	-50/+125°C
flexible*:	-45/+125°C
<b>Temperature range conductor:</b>	up to +180°C (short time use up to +205°C)
<b>Low temperature resistance:</b>	-50°C acc. to DIN EN 60811-506
<b>Oil resistance:</b>	very good - TPU acc. to EN 50363-10-2
<b>Fuel resistance:</b>	good
<b>Battery acid resistance:</b>	good
<b>UV resistance:</b>	acc. to HD 605
<b>Ozone resistance:</b>	acc. to EN 50396
<b>Saltwater resistance:</b>	acc. to UL 1309
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30
	*+125 °C – up to 2,500 hours

item no.	no. of conductors	outer-ø		cable weight ≈lbs/mft
		± 5% inch	± 5% mm	
<b>▶ AWG 34/7</b>				
38360234	2	0.087	2.2	5
38360334	3	0.091	2.3	5
38360434	4	0.094	2.4	6
38360634	6	0.102	2.6	7
38360834	8	0.110	2.8	9
<b>▶ AWG 32/7</b>				
38360232	2	0.091	2.3	5
38360332	3	0.091	2.3	6
38360432	4	0.098	2.5	7
38360632	6	0.110	2.8	9
38360832	8	0.122	3.1	11

item no.	no. of conductors	outer-ø		cable weight ≈lbs/mft
		± 5% inch	± 5% mm	
<b>▶ AWG 30/7</b>				
38360230	2	0.094	2.4	6
38360330	3	0.098	2.5	7
38360430	4	0.102	2.6	8
38360630	6	0.118	3.0	11
38360830	8	0.126	3.2	13
<b>▶ AWG 28/7</b>				
38360228	2	0.102	2.6	7
38360328	3	0.106	2.7	9
38360428	4	0.110	2.8	9
38360628	6	0.122	3.1	12
38360828	8	0.150	3.8	17

item no.	no. of conductors	outer-ø		cable weight ≈lbs/mft
		± 5% inch	± 5% mm	
<b>▶ AWG 26/7</b>				
38360226	2	0.118	3.0	10
38360326	3	0.122	3.1	11
38360426	4	0.150	3.8	15
38360626	6	0.154	3.9	19
38360826	8	0.173	4.4	24
<b>▶ AWG 24/7</b>				
38360224	2	0.126	3.2	11
38360324	3	0.130	3.3	13
38360424	4	0.150	3.8	17
38360624	6	0.173	4.4	24
38360824	8	0.197	5.0	31

Other dimensions and colors are available on request

#### DIN 47100 color code:

#1- white, #2- brown, #3- green, #4- yellow, #5- gray, #6- pink, #7- blue, #8- red



#### Possible on request:

- harnessed cable
- also available without copper braiding

