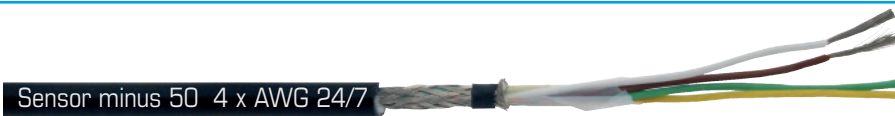


Data & Sensor Cables

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:

Conductor:	tinned copper strands, silver-plated from AWG 32
Insulation:	FEP
Color code:	DIN 47100, see page O/26
Wrapping:	foil
Shielding:	tinned copper braiding, optical coverage ≥ 85%
Jacket material:	PUR 420 with matte surface
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 cable:	
<i>static*:</i>	-50/+125°C
<i>flexible*:</i>	-45/+125°C
Temperature range conductor:	up to +180°C (short time use up to +205°C)
Low temperature resistance:	-50°C acc. to DIN EN 60811-506
Oil resistance:	very good - TMPU acc. to EN 50363-10-2
Fuel resistance:	good
Battery acid resistance:	good
UV resistance:	acc. to HD 605
Ozone resistance:	acc. to EN 50396
Saltwater resistance:	acc. to UL 1309
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

*+125 °C – up to 2500 hours

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

item no.	no. of conductors	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ AWG 34/7				
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
▶ AWG 32/7				
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	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ AWG 30/7				
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
▶ AWG 28/7				
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	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ AWG 26/7				
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
▶ AWG 24/7				
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



Possible on request:

- harnessed cable
- also available without copper braiding

