

Sensor minus 50

low temperature resistant FEP insulated sensor cable down 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
Colour code:	with reference to DIN 47100
Wrapping:	foil
Screen:	tinned copper braiding, optical coverage ≥ 85%
Sheath material:	PUR 420 with mat surface
Sheath colour:	black (RAL 9005)

Technical Data:

Peak operating voltage:	max. 48 V
Testing voltage:	core/core 600 V core/screen 600 V
Min. bending radius	
fixed laying:	2 x d (one single bend)
flexible application:	10 x d
Temperature range cable	
fixed laying*:	-50/+125 °C
flexible application*:	-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 S1
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 chapter N „Technical Data“
	*+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.	dimension	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
38360234	2 x AWG 34/7	2,2	5,7	8
38360334	3 x AWG 34/7	2,3	6,0	8
38360434	4 x AWG 34/7	2,4	6,0	9
38360634	6 x AWG 34/7	2,6	8,1	11
38360834	8 x AWG 34/7	2,8	10,2	14
38360232	2 x AWG 32/7	2,3	6,0	8
38360332	3 x AWG 32/7	2,3	6,3	9
38360432	4 x AWG 32/7	2,5	6,5	10
38360632	6 x AWG 32/7	2,8	9,0	13
38360832	8 x AWG 32/7	3,1	11,0	16
38360230	2 x AWG 30/7	2,4	6,4	9
38360330	3 x AWG 30/7	2,5	7,4	10
38360430	4 x AWG 30/7	2,6	9,1	12
38360630	6 x AWG 30/7	3,0	11,0	16
38360830	8 x AWG 30/7	3,2	12,9	19

item no.	dimension	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
38360228	2 x AWG 28/7	2,6	8,6	11
38360328	3 x AWG 28/7	2,7	9,8	13
38360428	4 x AWG 28/7	2,8	10,8	14
38360628	6 x AWG 28/7	3,1	14,3	18
38360828	8 x AWG 28/7	3,8	18,1	25
38360226	2 x AWG 26/7	3,0	11,5	15
38360326	3 x AWG 26/7	3,1	12,7	17
38360426	4 x AWG 26/7	3,8	14,6	22
38360626	6 x AWG 26/7	3,9	19,1	28
38360826	8 x AWG 26/7	4,4	25,9	36
38360224	2 x AWG 24/7	3,2	12,8	17
38360324	3 x AWG 24/7	3,3	15,3	20
38360424	4 x AWG 24/7	3,8	18,7	26
38360624	6 x AWG 24/7	4,4	25,3	36
38360824	8 x AWG 24/7	5,0	32,0	46

Other dimensions and colours are possible on request.



Possible on request:

- random lengths or ready harnessed cable
- also available without copper braiding