

Data Cables

Sensor plus 150

high temperature resistant FEP insulated sensor cable up to +150°C



marking example:

SAB BRÜCKSKES · D-VIERSEN · Sensor plus 150 4 x AWG 24/7 3837-0424

Application: High temperature resistant sensor cable up to max. +150°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:	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 490 with smooth surface
Sheath colour:	black (RAL 9005)

Technical data:	
Peak operating voltage:	max. 48 Vv
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/+150 °C
flexible application*:	-40/+150 °C
Temperature range conductor:	up to +180 °C (short time use up to +205 °C)
Oil resistance:	very good - TMPU acc. to EN 50363-10-
Fuel resistance:	good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“
	*+150 °C – up to 3000 hours

- Outstanding features:**
- » temperature resistance up to +150 °C (up to 3000 hours)
 - » high flexibility and high abrasion resistance
 - » high robustness
 - » low capacity
 - » smallest bending radius
 - » easy harnessing
 - » small outer diameter

item no.	dimension	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
38370234	2 x AWG 34/7	2,2	5,7	8
38370334	3 x AWG 34/7	2,3	6,0	8
38370434	4 x AWG 34/7	2,4	6,0	9
38370634	6 x AWG 34/7	2,6	8,1	11
38370834	8 x AWG 34/7	2,9	10,2	14
38370232	2 x AWG 32/7	2,3	6,0	8
38370332	3 x AWG 32/7	2,3	6,3	9
38370432	4 x AWG 32/7	2,5	6,5	10
38370632	6 x AWG 32/7	2,8	9,0	13
38370832	8 x AWG 32/7	3,1	11,0	16
38370230	2 x AWG 30/7	2,4	6,4	9
38370330	3 x AWG 30/7	2,5	7,4	10
38370430	4 x AWG 30/7	2,6	9,1	12
38370630	6 x AWG 30/7	2,9	10,9	15
38370830	8 x AWG 30/7	3,2	12,9	18

item no.	dimension	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
38370228	2 x AWG 28/7	2,6	8,6	11
38370328	3 x AWG 28/7	2,7	9,8	13
38370428	4 x AWG 28/7	2,8	10,8	14
38370628	6 x AWG 28/7	3,1	14,3	19
38370828	8 x AWG 28/7	3,8	18,1	25
38370226	2 x AWG 26/7	3,0	11,5	15
38370326	3 x AWG 26/7	3,1	12,7	17
38370426	4 x AWG 26/7	3,3	14,6	20
38370626	6 x AWG 26/7	3,9	19,1	28
38370826	8 x AWG 26/7	4,4	25,1	35
38370224	2 x AWG 24/7	3,2	12,8	17
38370324	3 x AWG 24/7	3,3	15,3	20
38370424	4 x AWG 24/7	3,8	18,7	26
38370624	6 x AWG 24/7	4,4	25,3	36
38370824	8 x AWG 24/7	4,8	31,8	45

Other dimensions and colours are possible on request.

Possible on request:

- » random lengths or ready harnessed cable
- » also available as HV thermo cable type K (1-channel and 4-channel)
- » also available without copper braiding