

Sensor Cables

Sensor plus 150

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



Sensor plus 150 4 x AWG 24/7

Marking for Sensor plus 150 38370424:

SAB BRÖCKSKES · 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
Color code:	DIN 47100, see below
Wrapping:	foil
Shielding:	tinned copper braiding, optical coverage ≥ 85%
Jacket material:	PUR 490 with smooth 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	
fixed installation:	2 x O.D. (one single bend)
free movement:	10 x O.D.
Temperature range cable:	
static*:	-50/+150°C
flexible*:	-45/+150°C
Temperature range conductor:	up to +180°C (short time use up to +205°C)
Oil resistance:	very good - TMPU acc. to EN 50363-10-2
Fuel resistance:	good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

*+150 °C – up to 3,000 hours

Outstanding features:

- Temperature resistance up to +150 °C (up to 3,000 hours)
- high flexibility and high abrasion resistance
- high robustness
- low capacity
- smallest bending radius
- easy harnessing
- small outer diameter
- fuel resistant

item no.	no. of conductors	outer-ø ± 5% inch	outer-ø ± 5% mm	cable weight ≈lbs/mft
▶ AWG 34/7				
38370234	2	0.087	2.2	5
38370334	3	0.091	2.3	5
38370434	4	0.094	2.4	6
38370634	6	0.102	2.6	7
38370834	8	0.114	2.9	9
▶ AWG 32/7				
38370232	2	0.091	2.3	5
38370332	3	0.091	2.3	6
38370432	4	0.098	2.5	7
38370632	6	0.110	2.8	9
38370832	8	0.122	3.1	11

item no.	no. of conductors	outer-ø ± 5% inch	outer-ø ± 5% mm	cable weight ≈lbs/mft
▶ AWG 30/7				
38370230	2	0.094	2.4	6
38370330	3	0.098	2.5	7
38370430	4	0.102	2.6	8
38370630	6	0.114	2.9	10
38370830	8	0.126	3.2	12
▶ AWG 28/7				
38370228	2	0.102	2.6	7
38370328	3	0.106	2.7	9
38370428	4	0.110	2.8	9
38370628	6	0.122	3.1	13
38370828	8	0.150	3.8	17

item no.	no. of conductors	outer-ø ± 5% inch	outer-ø ± 5% mm	cable weight ≈lbs/mft
▶ AWG 26/7				
38370226	2	0.118	3.0	10
38370326	3	0.122	3.1	11
38370426	4	0.130	3.3	13
38370626	6	0.154	3.9	19
38370826	8	0.173	4.4	24
▶ AWG 24/7				
38370224	2	0.126	3.2	11
38370324	3	0.130	3.3	13
38370424	4	0.150	3.8	17
38370624	6	0.173	4.4	24
38370824	8	0.189	4.8	30

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 as HV thermo cable type K (1-channel and 4-channel)
- also available without copper braiding

