Sensor plus 250

high temperature resistant PFA insulated sensor cable up to +250°C

marking example:
SAB BRÖCKSKES · D-VIERSEN · Sensor plus 250 4 x AWG 32/7 3839-0432

Application: High temperature resistant sensor cable up to max. +250°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:	silver-plated copper strands
Insulation:	PFA
Colour code:	with reference to DIN 47100
Wrapping:	foil
Screen:	tinned copper braiding optical coverage ≥ 85%
Sheath material:	PFA
Sheath colour:	black (RAL 9005)

Outstanding features:

- Temperature resistance up to +250 °C
- low capacity
- absolutely weather resistant
- high abrasion resistance
- very good chemical resistance
- small outer diameter

Technical data:

Peak operating voltage:	max. 48 Vv
Testing voltage:	core/core 600 V core/screen 600 V
Min. bending radius *fixed laying:* *flexible application:*	 2 x d (one single bend) 10 x d
Temperature range cable *fixed laying*:* *flexible application*:*	 -90/+250 °C -55/+250 °C
Dielectric constant:	approx. 2,1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	very good
Hydraulic oil resistance:	very good
Fuel resistance:	very good
Battery acid resistance:	very good
UV resistance:	very good
Ozone resistance:	very good
Saltwater resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	dimension	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
38390234	2 x AWG 34/7	1,8	5,7	8
38390330	3 x AWG 30/7	2,1	8,7	11
38390432	4 x AWG 32/7	2,1	8,1	11
38390628	6 x AWG 28/7	2,7	16,0	20

Other dimensions and colours are possible on request.

Possible on request:

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