CABLES FOR SENSORS





www.sab-cable com

Family business in the third generation

75 years of experience in cable and wire manufacturing as well as in temperature measurement technology turned a oneman business into a company with more than 550 employees. We prove our strength every year with more than 1500 special products according to customers' requirements. Each product is a new challenge for our creative technical team. We at SAB see ourselves as a manufacturer and a service provider – in the sense of true partnership and the greatest possible customer orientation.

Today, the quality of our products is known and appreciated in more than 100 countries around the world. In all product ranges, we are certified according to DIN EN ISO 9001. Furthermore, we have implemented an environmental management system for our company according to DIN EN ISO 14001, an occupational health and safety management system according to NLF/ILO-OSH and DIN ISO 45001, and an energy management system according to DIN EN ISO 50001.

And also for the future, our slogan is: "WE GO FORWARD!"

FOUNDED:	1947 by Peter Bröckskes sen. an independent, medium-sized company.
CEO:	Peter Bröckskes and Sabine Bröckskes-Wetten
PLANT/LOCATION:	In Viersen (Lower Rhine) 110.000 m ² company site.
	Own manufacturing from copper conductor to outer sheath.
	VDE approved burnchamber and laboratory within the company.
EMPLOYEES/WORKERS:	approx. 430 at the plant in Viersen, 550 worldwide
YEARLY SALES:	over 134 Mio. € worldwide
PRODUCTS:	Special Cables
	Measurement Technology
	Cable Harnessing
CERTIFICATES AND APPROVALS:	Ouality management system acc. to DIN EN ISO 9001 for every manufacturing field Environmental management system acc. to DIN EN ISO 14001 Occupational health and safety management acc. to NLF/ILO-OSH and DIN ISO 45001 Energy management system acc. to DIN EN ISO 50001
EN IEC ISO	Energy management system acc. to DIN EN ISO 50001



Cables for sensors

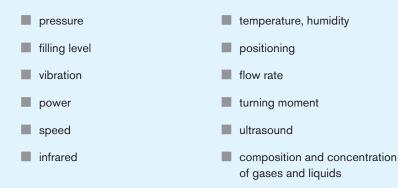
Applications





In almost all industrial sectors an electronic measurement, control and automation are of greatest importance. Sensors and measuring technique are closely connected with each other and in many fields you can't do without. The application range of sensor technology is far reaching from the collection of factors in process technology via the analysis of product characteristics in the manufacturing industry as well as in the automated production to the control of products.

Herewith, the exact measurement of physical values like



as well as the adherence of measuring tolerances and production control are of greatest importance.

With more than 60 years of experience in cable manufacturing we are a competent partner for the development and production of high quality sensor cables. The requirements of our customers are our main concern. We implement the tasks committed to us with creativity and competence and support the practical realization. It doesn't matter if a cable out of our production range has to be modified or if a completely new design is necessary. We guarantee solutions of highest quality with the help of innovation, flexibility, know-how and a quick realization.



Different industrial applications



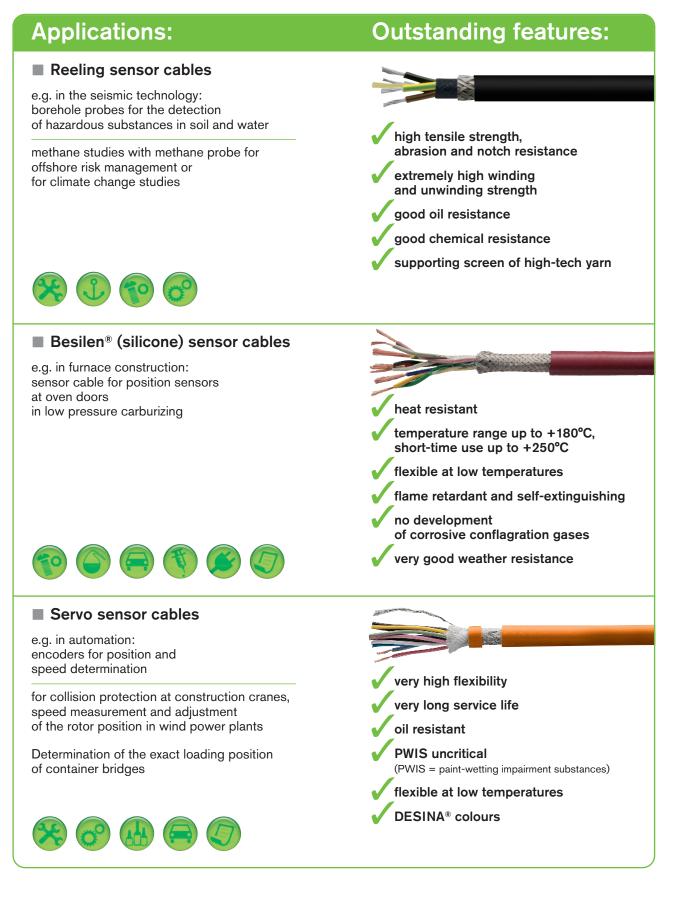


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application examples







application examples







application examples



Applications: Outstanding features: Special and hybrid sensor cables e.g. for hydrostatic liquid level monitoring and liquid level measurement in drinking water, wastewater, process and river water Version with integrated polyamide sleeve seismic investigations with a drilling hole flame retardant and self-extinguishing geophone for soil investigations, oil resistant monitoring of hydraulic fracturing halogen-free fiber optic cable system for marking of spare parts and for robot and portal applications Ethernet and hybrid sensor cables e.g. in railway technology: sensor cable for a sensor Version with integrated Industrial Ethernet CAT 5 cable for contactless measurement of speed, acceleration and braking distance halogen-free very good oil resistance very good fuel and acid resistance Compliance with the fire protection class 1-4 acc. to EN 45545-2 Absence of harmful substances acc. to RoHS II - directive 2011/65/EU and commission delegated directive (EU) 2015/863 amending annex II to directive 2011/65/EU as well as GefStoffV annex IV - no. 24 The components of the indicated items are free of harmful substances according to the above men-Rohs tioned directives as well as hazardous material regulation annex IV no. 24 medium of flame protection. This means that for the following substances based on the guidelines as well as on the requirements of SAB Bröckskes GmbH & Co. KG, the following quantity and content limits were specified, below which a declaration can be dropped < 0,1 % di(2-ethylhexyl)phthalate (DEHP) lead < 0,1 % mercury < 0,1 % benzyl butyl phthalate (BBP) < 0,1 % cadmium < 0,01 % dibutyl phthalate (DBP) < 0.1 % diisobutyl phthalate (DIBP) hexavalent chromium < 0,1 % Þ < 0,1 %

- polybrominated biphenyl (PBB) < 0,1 %
- polybrominated diphenyl ether (PBDE) < 0,1 %
- decabromo diphenyl ether (DecaBDE) < 0,1 %
- < 0,1 % pentabrominated diphenyl ether octabrominated diphenyl ether < 0,1 %







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