

CABLES

FOR MEDICAL APPLICATIONS

A yellow, rounded rectangular badge with a dotted border, containing the word "NEWS" in a large, black, sans-serif font.

NEWS



SAB BRÖCKSKES GmbH & Co. KG

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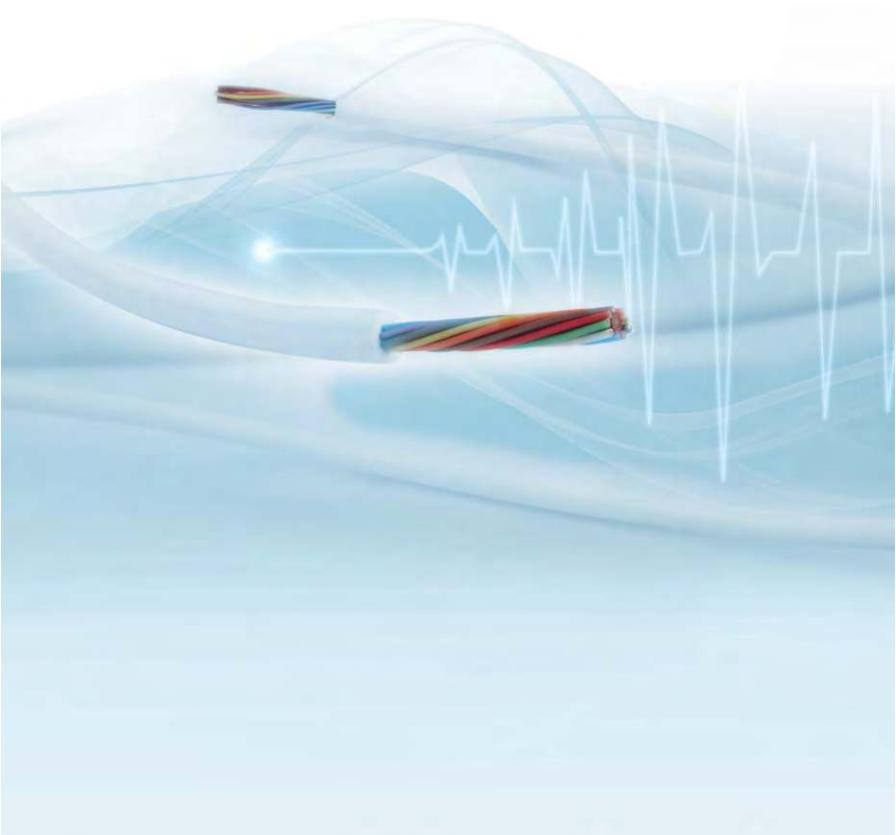
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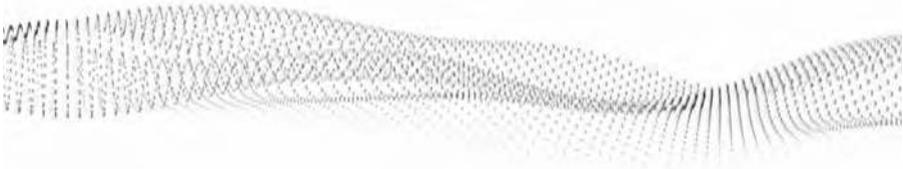
SAB_{med} Line

For the market of medical devices we developed a brand new family of biocompatible cable compounds called **SABmed Line**.

Our range of **SABmed S** compounds includes besides the basic version with high notch- and tear resistance, a material for ultraflexible and smooth cables, one for cables with UL-certification as well as a „non-blooming” version.



SAB material series



SABmed S Basic

For all applications that have to be supported by smooth, flexible and increased mechanical properties SABmed S Basic will offer the best solution.

SABmed S Classic

The classic base material with high notch and tear resistance as well as excellent flexibility, frequently proved for different medical devices.

SABmed S Ultraflexible

As the name implies, the special compound feature is its high flexibility offering a maximum degree of mobility to the user.

SABmed S UL

For the first time we successfully combined a biocompatible SABmed S material with the possibility for an UL-certification. We are now able to offer a complete low-voltage range of cables for medical devices with UL approval (e.g. power and data cables, Bus cables, connection and single core cables).

SABmed S Platin

„NON-BLOOMING“ means that there is no release of fission products at the cable surface. This phenomenon is already reduced to a minimum level for each of our SABmed S compounds.

With our SABmed S Platin we are able to eliminate it completely.

SABmed S Plus

This material of our SABmed-family has the “plus” for handling facilitation. Due to the special recipe we developed a product with excellent properties for automated strip-and-cut machines. This skill could be very interesting to ensure fast handling of high run length.

SABmed S Universal

The skills of high mechanical resistance, superb flexibility and precious feel that unify every member of the SABmed S-family is also part of SABmed S Universal. Furthermore, the special material composition allows an effortless separating of twin cables that are used for example on electrosurgery devices.

Our SABmed T-range is characterized by a reduced shore-hardness making the cable smoother and more flexible than PVC. Furthermore, this material is free of halogen and very good for sterilization (gas and radiation) as well as for a helix cable!

All compounds mentioned above passed the examination for **biocompatibility (DIN EN ISO 10993-5 cytotoxicity)**.

Furthermore we are able to produce in small batches especially interesting for pilot series and prototyping.

SAB_{med} Line

Overmoulded cable solutions for medical technology

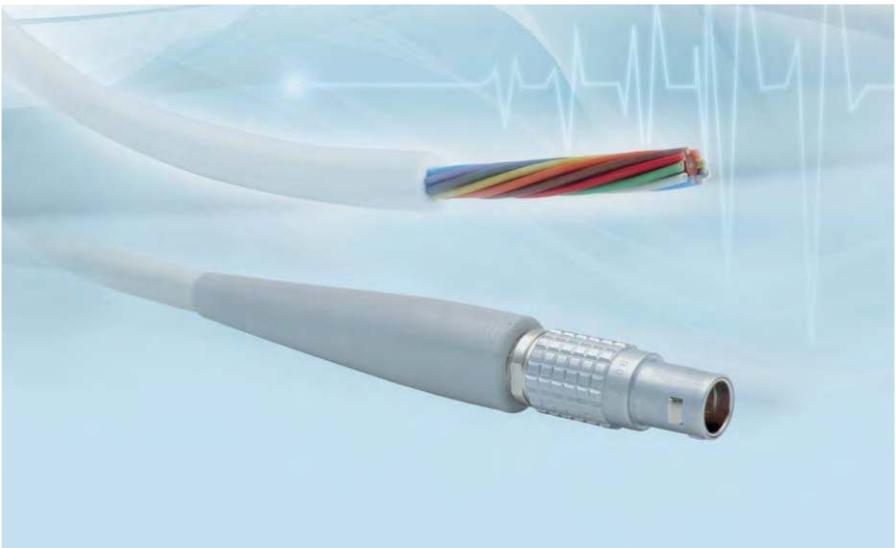
Cable system manufacturer and cable specialist **SAB BRÖCKSKES** offers high-quality cable solutions with high material diversity as a plug & play solution for system equipment, even for prototypes and small series.

Connection cables for medical devices and treatments are often subject to demanding requirements in daily use, be it through cleaning, disinfection or handling. A well thought-out system solution is a key factor for reliability and completes the individual application.

The special cable manufacturer **SAB** is expanding its range of medical cables with a new plug & play solution with overmoulding, made of medical grade silicone or thermoplastic elastomers as a consistent implementation of market requirements. In order

to achieve a secure and smooth material connection between the electrical line and the plug, all the necessary components are fine-tuned to each other.

The results flow directly into production. This benefits the manufacturer of medical components as they can rely on the proven support of the biocompatible base material prototype and 0 series through manufacturing lengths starting at 100 m.





„This can only be achieved through constant dialogue with customers „explains Marc Gerlatzek, SAB Medical Product Manager „ We count on our material diversity, experience and constant investment in the machine park at the site in Viersen.

Possibilities for overmoulded plugs and nozzles are available for nearly the complete cabling solution of the **SABmed Line** material family.

Medical cables with the flexible and smooth **SABmed T** can be engineered and customer customised to produce thermoplastic and elastomeric materials with better haptics than conventional thermoplastics.

If a medical cable with UL approval is needed the material **SABmed S UL** is used. The base material can be offered as a platinum cross-linked variant, with an ultraflexible sheath or with an non-adhesive surface.

New developments, such as autoclavable USB 3.0 cable are already being designed by SAB Bröckskes with an outlook to possible overmoulding.

Manufacturers of medical devices will be able to use this complete system solution as a tailor-made Plug & Play product „from a single source“ for greater design freedom in the development of devices.

Cables for the prototype construction in medical technology

For the cable equipment of prototypes and small-batches production for medical devices, SAB Bröckskes, the specialist in cables offers premium quality support

Prototype and small-batches production of connection cables for the visible areas of medical devices are a real challenge for manufacturers. Individual requirements regarding number of cores, outer diameter and grip must be fulfilled and cable manufacturers generally offer customized designs only for huge minimum order quantities. Moreover, ex-stock cables are rarely to be found in the specific design color of the device.

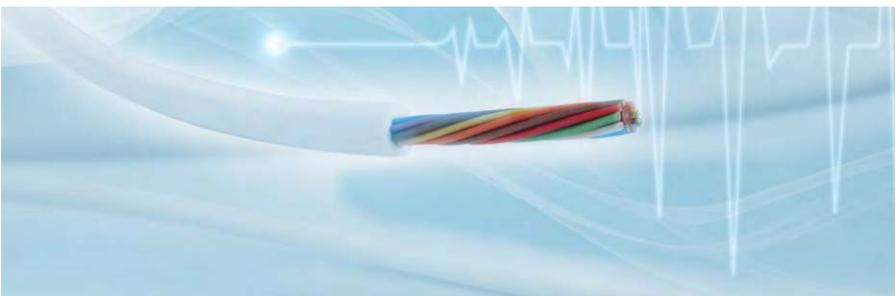
A change of single parameters often leads to high remainders which generally are of no use later.

To this effect, SAB offers a unique support:

Specialized in customized and process-oriented solutions, SAB Bröckskes produces customer specific sample-batches starting from a quantity of 100 m.

UNIQUE HIGHLIGHTS:

- **Prototype and sample-batch production on series production lines.**
- **SABmed line offers a wide range of bio-compatible materials adapted to your individual needs. Corresponding certificates for the biological harmlessness acc. to EN ISO 10993-1 (cytotoxicity acc. to EN ISO 10993-5) are available upon request.**
- **Outer sheath color adapted to the design of the medical device for a harmonious visual appearance.**
- **Highest flexibility, noble grip and no risk of kink, the typical torsion effect of handheld connection cables.**
- **Plug and play pre-assembled cables available upon request.**



SAB Product news

Do you already know our „**medical-grade**“ **Buscables**, like USB 3.0?

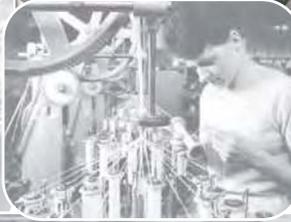
Or our **SABmedT material**, that combines the smoothness of silicone and the mechanical skills of a thermoplastic material, also can be **used for helical cable**.

We produce **non-blooming and biocompatible silicone tubes** with increased strength properties and downward tendency to slip out of fittings.

Our cables can be **harnessed to cordset** completed by **silicone - overmolding**, for example as kink-protection.



CABLES AND PLUGS
FOR A GOOD CONNECTION



TRADITIONAL
FAMILY BUSINESS
SINCE **1947**