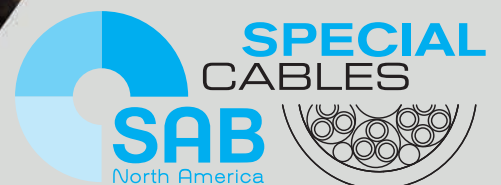


CABLES & ACCESSORIES FOR AGRICULTURAL TECHNOLOGY



www.sabcable.com
866-722-2974 ■ info@sabcable.com



About Us

SAB North America is a focused supplier for the agriculture, automation, aerospace, medical, high temperature, and robotics industries, providing cable solutions that meet, exceed, and set new standards in the flexible cable market. In addition to flexible cable products, we offer an extensive inventory of high-quality cable accessories, including cord grips, grounding glands and other accessories that complement our flexible control and automation cables.

Whatever the need may be, look to SAB North America for Special Cables that can, for example, help minimize maintenance costs and increase productivity, reduce downtime, and solve specific problems. Here is a small sample of some of the challenges that Special Cables from SAB North America can help address:

- Hybrid designs for multiple functions
- Harsh environments
- Difficult applications
- Industry-specific requirements



Agricultural technology includes irrigation systems, pumps, harvesters, front loaders, tractors and other agricultural equipment. The control of these machines and appliances set high demands on communication interfaces and bus systems. Cables which are exposed to adverse environmental conditions including tough weather conditions, pollution, ammonia, agricultural chemicals, or microbes demand robust solutions for a reliable application. For the wiring in tractors, working machines and accessory equipment, SAB offers reliable ISOBUS cables and systems according to ISO 11783-2.

Whether you're a valued distribution partner, a manufacturer, an automation house, an integrator, or a contractor, rest assured that our cables are reliable to maximize production efficiencies. SAB brings world class performance & 75 years of ingenuity to the table.

SAB's level of speed and service as a supplier is unmatched. SAB lives up to its name in not only flexible cable but also flexible manufacturing.



SAB Advantage...We make it Easy

- Engineering & technical assistance
- Cut to length with no cut charges
- Prepaid freight within US for orders over \$2,500
- Specialty cable designs (1500 ft minimum)
- No minimum on orders from stock
- Free drop shipments (no surcharges)
- 24-hour shipments from stock
- Cord Grips for securing and grounding cables

Cables & Accessories for Agricultural Technology

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Do you have any questions regarding your special application possibilities?
Please contact us at info@sabcable.com



Cables & Accessories for Agricultural Technology

Development and production

SAB – your cable specialist for agricultural vehicles

Demands for reliable communication interfaces and bus systems to control machinery and appliances in agricultural equipment is extremely high. Agricultural equipment and their systems are exposed to environmental conditions like weather, pollution, ammonia, chemicals, and microbes which require robust cabling and communication systems for reliable operations. At SAB, we offer reliable ISOBUS cables and systems in accordance with ISO 11783-2. In addition, SAB also designs and specifies custom cable solutions for our customers including prototypes and small production quantities from 100 m.



Our products are used in the following fields of agriculture and forestry:

- Precision agriculture
- Crop protection technology
- Forage harvesting technology
- Tillage
- Tractors
- Combine harvesters
- Forage harvesters
- Telescopic handler
- Front loader
- Skidder
- Harvester
- Forwarder
- and many more

Please contact us at
info@sabcable.com



Cables & Accessories for Agricultural Technology

Production possibilities

Flexible cables and wires “Made in Germany”

As a leading manufacturer we develop and produce cables for industrial purposes. Our wide range of materials offer a lot of possibilities for your individual product requirement. The following survey shows an extract of our production possibilities:

Conductor Materials:

- ✓ bare copper
- ✓ tinned copper
- ✓ silver plated copper
- ✓ nickel plated copper
- ✓ nickel
- ✓ nickel pure
- ✓ compensating cable alloys

Insulation and Jacketing Materials:

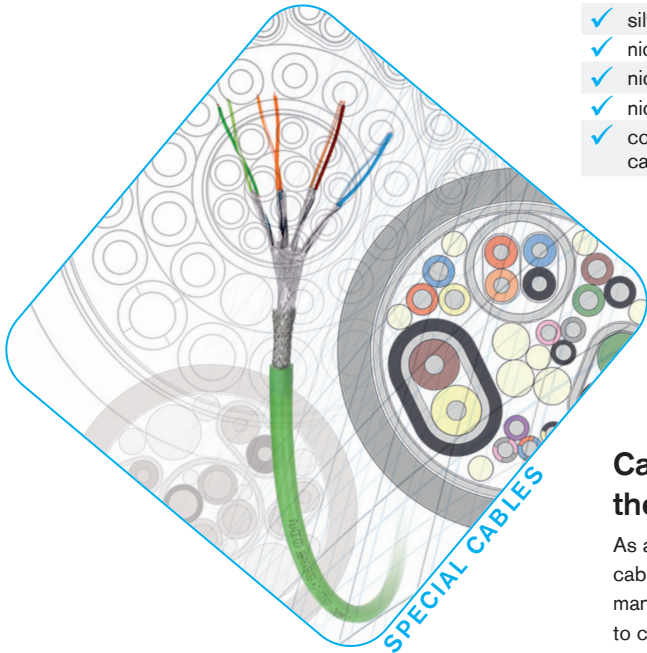
- ✓ PVC
- ✓ Polyethylene
- ✓ Polypropylene
- ✓ Polyurethane
- ✓ TPE
- ✓ SABIX® (zero halogen)
- ✓ Besilen® - Silicone
- ✓ FEP, ETFE, PFA, PTFE
- ✓ PI foil
- ✓ Fiberglass

Temperature Ranges:

- Thermoplastic Elastomers
- ✓ -50°C up to +145°C
- SABIX®
- ✓ -50°C up to +220°C
- Besilen® - Silicone
- ✓ -40°C up to +220°C
- FEP, ETFE, PFA
- ✓ -90°C up to +260°C
- Fiberglass
- ✓ up to +600°C

Conductors:

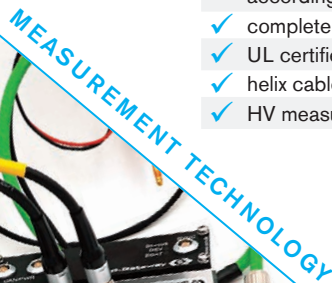
- ✓ cross sections 0.055 - 300 mm²
- ✓ unshielded and shielded over 100 conductors



Cable assemblies directly from the manufacturer SAB:

As a full service partner, we are able to offer cable design and production as well as the manufacturing of cable assemblies according to customer's request. Please trust on our experience for decades in the treatment of cables and connectors.

- ✓ cable assemblies according to customer's demands
- ✓ complete cable assemblies
- ✓ UL certified assemblies
- ✓ helix cables
- ✓ HV measuring assemblies



Measuring technology for industrial applications

Manufacturer of temperature sensors for industrial applications with 75 years of experience!

- ✓ mineral insulated thermocouples
- ✓ mineral insulated resistance thermometers
- ✓ temperature sensors
- ✓ mobile high voltage measuring technology
- ✓ temperature sensors for vehicle testing

Cables & Accessories for Agricultural Technology

Product Overview

	Applications	Outstanding features
<p>Control and Connection Cables</p>  <p>SABControl</p>	<ul style="list-style-type: none">✓ motors / drives✓ cable tracks / robots✓ and many more	<ul style="list-style-type: none">✓ flexible and robust✓ resistant against oils, etc.✓ halogen-free✓ chemical resistant
<p>ETFE, FEP, PFA Strands</p> 	<ul style="list-style-type: none">✓ tractor electronics✓ lamps/lights✓ and many more	<ul style="list-style-type: none">✓ up to -90°C / +250°C✓ resistant against oils, etc.✓ good insulation characteristics
<p>Bus and Ethernet Cables</p>  <p>SABBus SABCATLine</p>	<ul style="list-style-type: none">✓ Smart Farming✓ ISOBUS✓ PROFIBUS✓ CAN-BUS✓ CAT 5 / CAT 6 / CAT 7 / SPE✓ USB 2.0 / 3.0	<ul style="list-style-type: none">✓ flexible and robust✓ resistant against oils, etc.✓ halogen-free✓ Hybrid cables possible
<p>Special and Hybrid Cables</p>  <p>SABDrum</p>	<ul style="list-style-type: none">✓ specialized (cable development according to customer's request for example with integrated bus element)	<ul style="list-style-type: none">✓ SAB is an expert for the development of special cables✓ exclusive right on special cables
<p>Cable Assemblies</p> 	<ul style="list-style-type: none">✓ measuring and testing technology✓ and many more	<ul style="list-style-type: none">✓ harnessed / molded✓ Cables and cable assembly from a single source

Do you have any questions regarding your special application possibilities?
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Cord Grips & Accessories

Liquid tight seal, fast and easy installation, wide clamping range, multi-purpose applications, easy handling.



Technical data:	
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	-20°C to +100°C intermittent: -30°C to +150°C
Flammability:	V2 (according to UL 94)

CG 100 POLYAMIDE CORD GRIPS

Dome cap, black or gray available in NPT, PG, or metric thread

Liquid tight seal, fast and easy installation, wide clamping range, multi-purpose applications, easy handling.



CG 200 POLYAMIDE CORD GRIPS

Flex cap, black or gray available in NPT, PG, or metric thread

Strain relief gland offers maximum protection against conductor fatigue caused by flexing cables



CG 300 NICKEL PLATED BRASS CORD GRIPS

Available in NPT, PG, or metric thread

Impact resistant, suitable for industrial applications, water tight, corrosion resistant.



CG 350 STAINLESS STEEL CORD GRIPS

Available in NPT, PG, or metric thread and SS 303 or SS 316

Impact resistant, suitable for industrial applications, water tight, corrosion resistant.



EMC-2 GROUNDING CORD GRIPS

Nickel plated brass EMC cable gland available in NPT, PG, or metric thread

EMC-2 is a nickel plated brass strain relief with integral grounding springs in the gland.

Features:

- One Direction Installation
- Affordable
- Nickel Plated Brass with Tinned Copper Springs



EMC-4 GROUNDING CORD GRIPS

Nickel plated brass, EMC cable gland, vibration proof, available in NPT, PG, or metric thread

EMC-4 is a nickel plated brass strain relief with integral grounding springs in the gland that will allow the cable to move without damage to the shield.

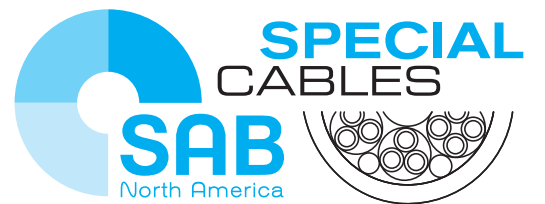
Features:

- Bi-directional Installation
- Great Anti-Vibration Mechanisms
- Nickel Plated Brass with Tinned Copper Springs



Accessories & Fittings

Enlargers	Reducers	Hole Plugs	Multi-Hole Bushing	Vent Gland & Plugs	Locknuts



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