

FLEXIBLE CONTROL & AUTOMATION CABLES

THE RIGHT SOLUTION FOR EVERY APPLICATION



FLEXIBLE CONTROL · CONTINUOUS FLEX  
SILICONE · TORSION · TRAY · VFD · DATA  
SERVO MOTOR · EUROPEAN STYLE · BUS/CAT  
HALOGEN-FREE · REELING · SPECIAL CUSTOM



# WHO WE ARE

SAB North America is a focused supplier to the Automation and Robotics Industry, providing cable solutions that meet, exceed and set new standards in the flexible cable market. We ensure our customers' success by providing experience, speed, service and a dedication to quality.

Our parent company, SAB Bröckskes, is located in Viersen, Germany where the manufacturing and testing of our products is done. SAB Bröckskes has been a proven leader in the development and manufacturing of industrial cables for over 60 years. SAB Bröckskes' adherence to product quality, ISO9001 certified, has proven itself in thousands of the world's most demanding robotic and automated applications. SAB's level of speed and service as a capable supplier is unmatched. SAB lives up to its name in not only flexible cable but also flexible manufacturing. Special cables can be designed, manufactured and delivered in just 3-4 weeks, and even faster in special circumstances!

## Flexible Control Cable



Flexible & oil resistant cables for use on industrial machinery, electrical equipment, assembly and production lines and processing machinery.

- CC 600 & CC 600 CY (UL/CSA/CE) Flexible, Unshielded & Braid Shielded, Oil Resistant PVC Control Cable
- CC 600 P & CC 600 CP (UL/CSA/CE) Flexible, Unshielded & Braid Shielded, Notch resistant Polyurethane Control Cable

## Continuous Flex Cable



Continuous flex cables for variety of applications from heavy duty power & control to sensitive data communications. Designed & tested for X-Y flexing and alternate bending. Life cycle testing available up to 20 million cycles.

- S 960 & S 960 CY (UL/CSA/CE) Unshielded & Braid Shielded, Oil Resistant PVC Cable
- S 200 & S 200 C (CE) TPE/PUR Unshielded & Braid Shielded Cable, extreme temperatures and tight bending radius
- S 980 P & S 980 CP (UL/CSA/CE) Unshielded & Braid Shielded, Oil Resistant Polyurethane Cable
- S 900 & S 900 P (UL/VDE/CE) PVC & Polyurethane Single Conductor, tight bend radius for confined areas

## Torsion Cable



Robotic cables designed for twisting applications used on robotic arms and other applications requiring rotary motion.

- RT 123 (UL/CSA/CE) TPE/PUR Torsional and Continuous Flex Cable for  $\pm 450^\circ$  / 1/2 m  
Available shielded and unshielded

## Tray Cable



Flexible tray cables for easier installation saving on labor costs. Oil & humidity resistant for longer plant life.

- TR 600 S & TR 600 S CY (UL TC-ER/CSA-TC/CE) UV & Oil Resistant Flexible Cable, Shielded & Unshielded
- TR 600 HD & TR 600 AUTO HD Tray series for automotive installations, available with red, blue or black numbered conductors, Shielded & Unshielded

## VFD Cable



VFD cables for connection of VFD drives and motors. Various designs to fit your specific need all UL TC-ER and 1000V

- VFD Lean TR & VFD XLPE TR (UL/CSA/CE) 4c power with overall shield (PVC/nylon & XLPE respectively)
- VFD Combo XLPE (UL/CSA/CE) 4c power plus shielded pair for brake or sensor
- VFD Symmetrical XLPE & VFD 2KV Symmetrical design ranging from 14 AWG to 500 KCMIL

## Data Cable



General purpose European and North American style data cables.

- DC 105, DC 105 C & DC 105 TP (PLTC/ITC/CMG) Flexible Multi-conductor & Paired Cable, Shielded & Unshielded, PVC
- LiYY, LiYCY & LiYCY TP (VDE/CE) General Purpose, Multi-conductor and Twisted Pair, Shielded & Unshielded, PVC

## Servo Motor Cable



**Industrial grade cables for servo motor connections for power, power w/ signal pairs and for encoder/resolver.**

- SL 860 C & SL 863 C (UL/CE) Braid Shielded Servo Motor Cables for Stationary Applications, PVC
- SL 834 C (UL/CSA/CE) Braid Shielded Servo Motor Cable for Continuous Flex, PUR
- SL 841 C (UL/CSA/CE) Braid Shielded Composite Servo Motor Cable with Pairs for Continuous Flex, PUR
- SL 839 C & SL 843 C (UL/CE) Braid Shielded Servo Motor Cables for Resolver/Encoder, PUR

## High Temperature Cable



**High temperature flexible silicone cables for extreme heat and cold. Other materials available upon request: PFA, FEP, Tefzel.**

- SC 600 HDTR (UL/CSA/CE) Heavy Duty Tear Resistant Silicone Multi-conductor Cable, Shielded Available
- SC 113 (CE) 300 Volt Silicone Hook-Up Wire & SC 123 (CE) 500 Volt Silicone/Fiberglass Hook Up Wire

## European Standardized Cable



**European Standardized Hook up wire and cables built to the European Union's Harmonized standards.**

- H05V-K/MTW/TEW (UL/CSA/HAR/VDE/CE) Harmonized 300/500 Volt Hook-Up Wire with Global Approvals
- H07V-K/MTW/TEW (UL/CSA/HAR/VDE/CE) Harmonized 450/750 Volt Hook-Up Wire with Global Approvals
- H07RNF (HAR/CE) Harmonized 450/750 Volt Neoprene Heavy Duty Multi-conductor Cable

## Category Cable



**Category cables (CAT5/Profinet, CAT5e, CAT6 & 6A, CAT7A) for a multitude of applications: static, flexible, continuous flex, torsion, reeling & Rail.**

- Profinet/CAT5 cables for Type A, B & C applications plus torsion and reeling
- CAT5e with PLTC and Rail for flexible applications
- CATLine 6 & 6A cables for continuous flex, torsion, reeling, Rail and high temperature applications
- CATLine 7A cables for continuous flex, torsion, reeling and Rail applications

## Bus Cable



**Flexible Bus Cables designed for industrial applications requiring data, sensor and power communications.**

- DeviceNet™ cables for flexible, continuous flex and torsion applications
- Profibus cables for flexible, continuous flex, torsion and outdoor application. Halogen free available
- CANBUS cables for flexible and continuous flex applications. Halogen free available

## Halogen-Free Cable



**Flexible Halogen-Free cables designed not to give off corrosive gases in case of fire. Over 30 different SABIX® compounds available to meet your specific application.**

- SABIX® CC 625 FRNC M (UL/CSA/CE) Halogen-Free, Non Corrosive Cable. Shielded Available
- SABIX® BLUELINE Halogen-free cable series for the Shipboard market with ABS, GL, LR, RINA, CE
- SABIX® Rail FRNC series meeting DIN EN 45545-2
- SABIX® Ultra series of Halogen-free, continuous flex cables

## Flexible Specialty Cable



**Specialty flexible cables built for specific needs and approvals for demanding applications.**

- SAB DR series for reeling applications. DNV-GL approval available
- Spreader cables for cranes and ports designed and built to spec
- Boarding bridge and festoon cables for passenger bridges

**Custom cables built to your specifications upon request. Inquire with your SAB Regional Sales representative.**

# SAB CABLES

## AT A GLANCE

WE DEVELOP AND PRODUCE **CABLES AND WIRES** AS WELL AS  
**SPECIAL SOLUTIONS** PARTICULARLY ACCORDING  
TO YOUR REQUIREMENTS AND APPLICATIONS.

### Conductor Materials

- Bare copper
- Tinned copper
- Silver plated copper
- Nickel plated copper
- Nickel
- Nickel pure
- Compensating cable alloys

### Conductor Sizes

- 0.14 mm<sup>2</sup> - 300 mm<sup>2</sup>
- variety of stranding styles

### Insulation and Jacketing Materials

- PVC (many varieties)
- Polyethylene
- Polypropylene
- TPE
- Fiberglass
- Besilen®/Silicone
- Pi foil
- FEP, ETFE, PFA, PTFE
- SABIX® zero halogen
- Polyurethane

### Conductor Count Ranges

- unshielded - up to 125 conductors
- shielded - up to 100 conductors

### Temperature Ranges (based on material)

- Thermoplastic Elastomers -50°C up to +145°C
- Besilen®/Silicone -40°C up to +220°C
- FEP, ETFE, PFA, PTFE -90°C up to +260°C
- Halogen-free -50°C up to +220°C
- Fiberglass up to +600°C

### Shielding and Braiding Materials

- Bare copper
- Tinned copper
- Galvanized steel
- Stainless steel
- Aluminium foil
- Fiberglass
- Aramid

### Approvals

- UL, CSA, VDE, <HAR>, CE, MIL, JET, CCC, IEC, GL, DNV, BV, KR, ABS, NK, RINA, LR, GOST



344 Kaplan Drive  
Fairfield, NJ 07004  
Toll Free: 866-722-2974  
Email: [info@sabcable.com](mailto:info@sabcable.com)  
Website: [www.sabcable.com](http://www.sabcable.com)