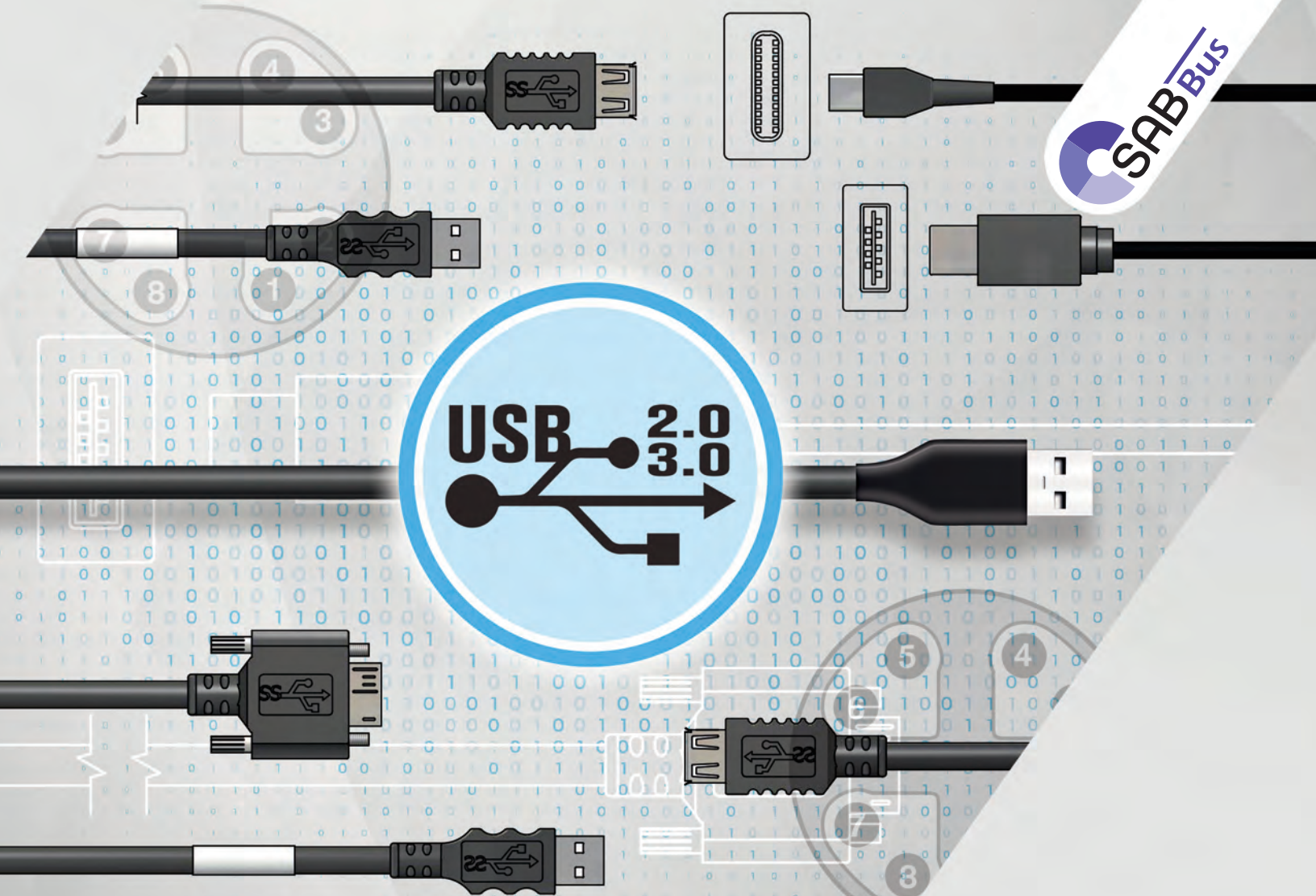
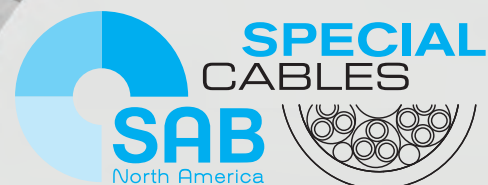


ASSEMBLIES

USB 3.0 CABLES



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



SAB North America is a focused supplier for the automation, aerospace, medical, high temperature, and robotics industries, providing cable and thermocouple 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 and Assemblies 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



SAB's USB 3.0 cable assemblies guarantee reliable data and signal transmission for measuring data, geometrical dimensions of components and surface characteristics in applications such as sensors, cameras, medical devices, lasers and quality assurance systems.

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

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:

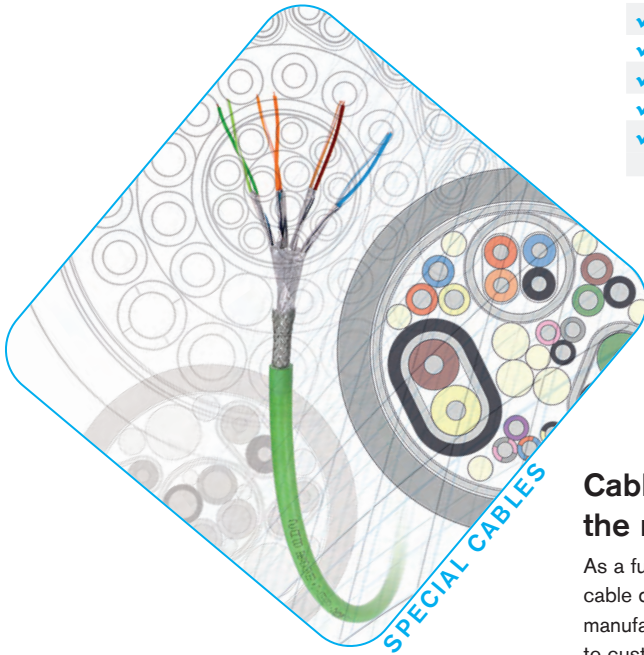
- ✓ PVC
- ✓ Polyethylene
- ✓ Polypropylene
- ✓ Polyurethane
- ✓ TPE
- ✓ SABIX® (zero halogen)
- ✓ Besilen® - Silicone
- ✓ FEP, ETFE, PFA, PTFE
- ✓ PI foil
- ✓ Fiberglass

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:

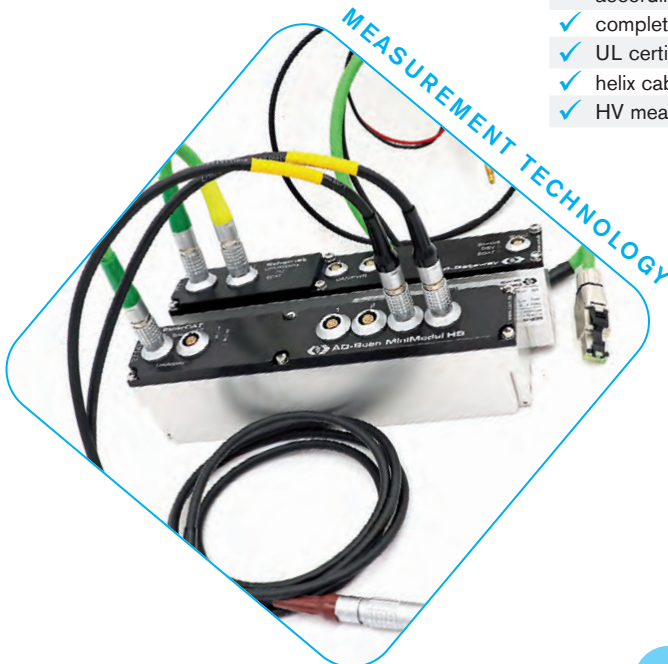
- ✓ cross sections 0.055 - 300 mm²
- ✓ unshielded and shielded over 100 conductors



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

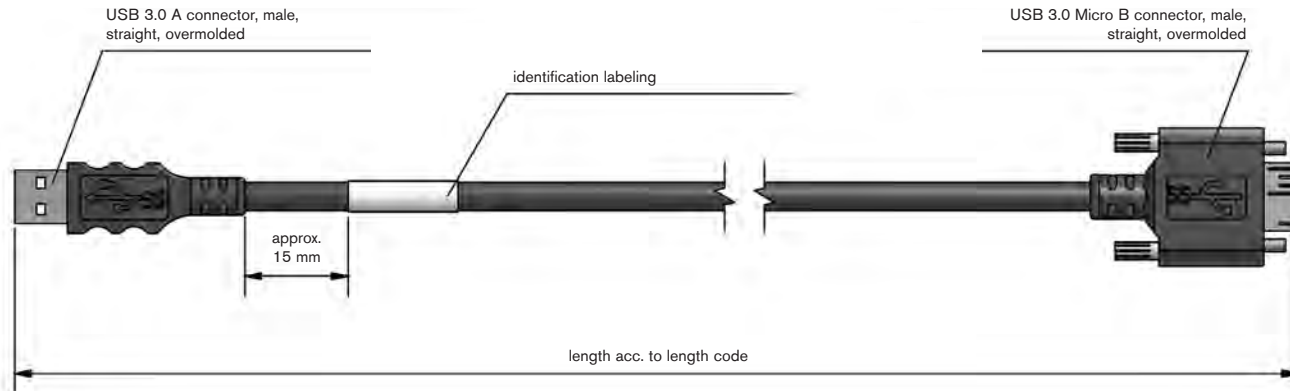
Manufacturer of temperature sensors for industrial applications with 75 years of experience!

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

USB Cable Assemblies

USB 3.0 Cable with molded connector

USB 3.0 cable with molded type A and Micro-B male connector



Application: USB 3.0 connection cable for PC's and 3D cameras, suitable for continuous flex applications and cable track.

Technical Data:

Temperature range:	-30°C to +80°C
Voltage range:	max. 350 V
Connection side 1:	USB 3.0 A connector, male, straight
Connection side 2:	USB 3.0 Micro B connector, male, straight

Cable characteristics:

SAB item no.:	L0604-9004
Dimension:	3x(2x30 AWG)ST + 2 x 24 AWG
Conductor:	silver-plated or tinned copper strands, fine wires
Insulation:	SABIX®
Shielding:	alu foil with drain wire as well as tinned copper braiding
Outer jacket:	PUR, black (similar RAL 9005)
Outer diameter:	approx. 6.4 mm



Outstanding features:

- mechanically very rugged
- PUR cable suitable for cable tracks

item no. with length code	
length	item no.:
0.24 m	S0604-4004-00024
0.5 m	S0604-4004-00050
1.0 m	S0604-4004-00100
2.0 m	S0604-4004-00200
3.0 m	S0604-4004-00300
5.0 m	S0604-4004-00500
7.5 m	S0604-4004-00750
10.0 m	S0604-4004-01000
15.0 m	S0604-4004-01500
20.0 m	S0604-4004-02000
25.0 m	S0604-4004-02500



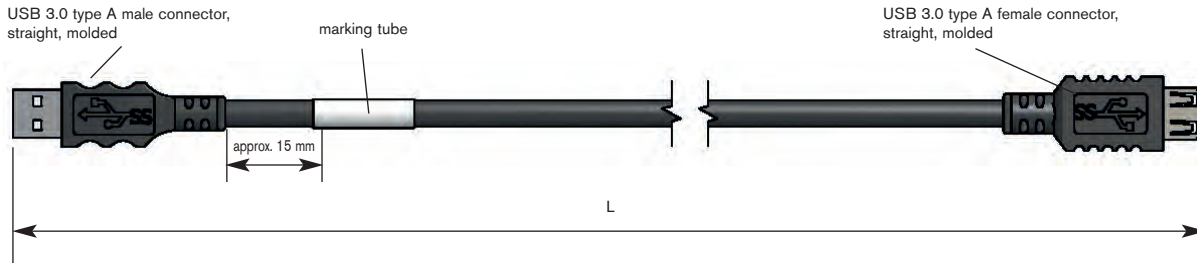
SAB marking:

item number, order number, length

USB Cable Assemblies

USB 3.0 Cable with molded connector

USB 3.0 cable with molded type A male connector and type A female connector



Application:

Extension cable



Outstanding features:

- mechanically very rugged
- PUR cable suitable for cable tracks

Cable characteristics:

Construction:	3x(2x30AWG)ST+2x24AWG
Insulation:	SABIX®
Outer jacket:	PUR
Outer diameter:	approx. 6.1 mm
Min. bending radius:	10 x O.D.
Peak operating voltage:	max. 350 V

Configuration example:

item no. with length code	
length	item no.:
0.5 m	S0604-4005-00050
1.0 m	S0604-4005-00100
2.0 m	S0604-4005-00200
3.0 m	S0604-4005-00300
5.0 m	S0604-4005-00500

Connector:

side 1:	USB 3.0 type A male connector
side 2:	USB 3.0 type A female connector

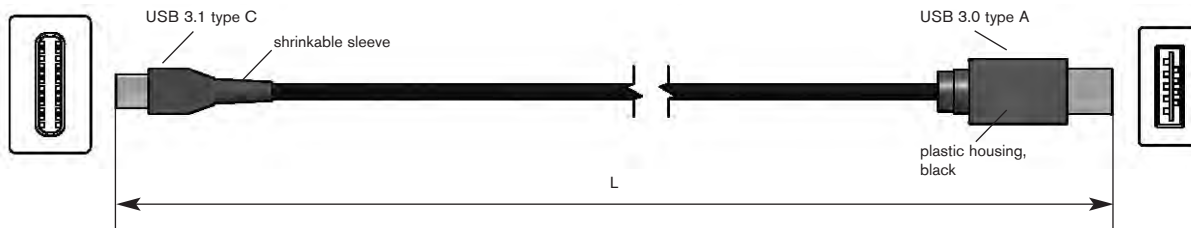
SAB marking:

item number, order number, length



USB 3.0 Cable with hand-assembled connectors

USB 3.0 cable with hand-assembled type A connector and type C connector



Application:

Connection cable USB A with USB C connector



Outstanding features:

- mechanically very rugged
- PUR cable suitable for cable tracks

Cable characteristics:

Construction:	3x(2x30AWG)ST+2x24AWG
Insulation:	SABIX®
Outer jacket:	PUR
Outer diameter:	approx. 6.1 mm
Min. bending radius:	10 x O.D.
Peak operating voltage:	max. 350 V

Configuration example:

item no. with length code	
length	item no.:
1.0 m	S0604-4009-00100
2.0 m	S0604-4009-00200
3.0 m	S0604-4009-00300
5.0 m	S0604-4009-00500

Connector:

side 1:	USB 3.0 type A connector (hand-assembled)
side 2:	USB 3.1 type C connector (hand-assembled)

SAB marking:

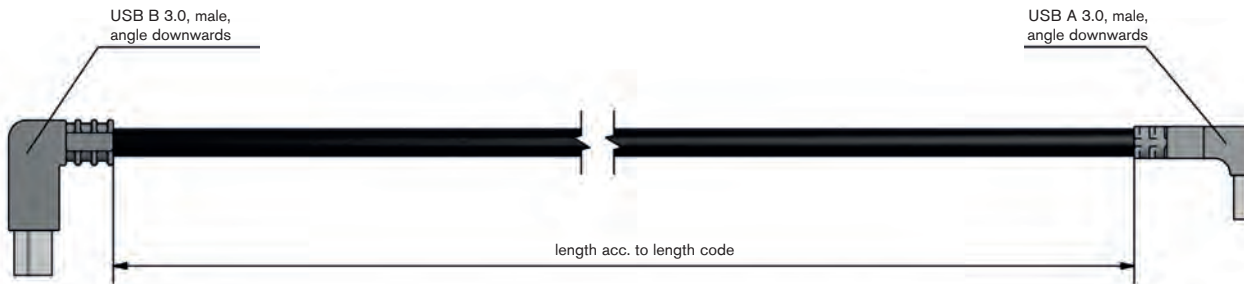
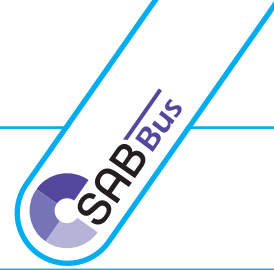
item number, order number, length



Overmolded USB Cable Assemblies

USB 3.0 Cable

with USB A and USB B connector, overmolded (angle downwards)



Technical Data:

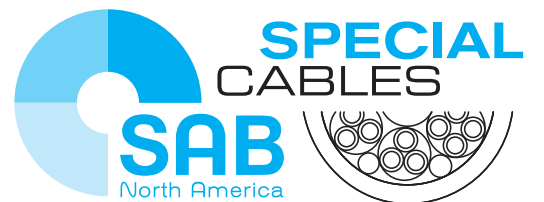
Temperature range:	-30°C to +80°C
Voltage range:	0 – 5 V
Connection side 1:	USB-B connector, angled male
Connection side 2:	USB-A connector, angled male

Cable characteristics:

SAB item no.:	L0604-9004
Dimension:	3x(2x30 AWG)ST + 2 x 24 AWG
Conductor:	silver-plated or tinned copper strands, fine wires
Insulation:	SABIX®
Shielding:	alu foil with drain wire as well as tinned copper braiding
Outer jacket:	PUR, black (similar RAL 9005)
Outer diameter:	approx. 6.4 mm

item no. with length code	
length	item no.:
0.24 m	S3600-4103-00024
0.5 m	S3600-4103-00050
1.0 m	S3600-4103-00100
2.0 m	S3600-4103-00200
3.0 m	S3600-4103-00300
5.0 m	S3600-4103-00500
7.5 m	S3600-4103-00750
10.0 m	S3600-4103-01000
15.0 m	S3600-4103-01500
20.0 m	S3600-4103-02000
25.0 m	S3600-4103-02500





344 Kaplan Drive
Fairfield, NJ 07004
Toll Free: 866-722-2974
www.sabcable.com
info@sabcable.com

August 2024