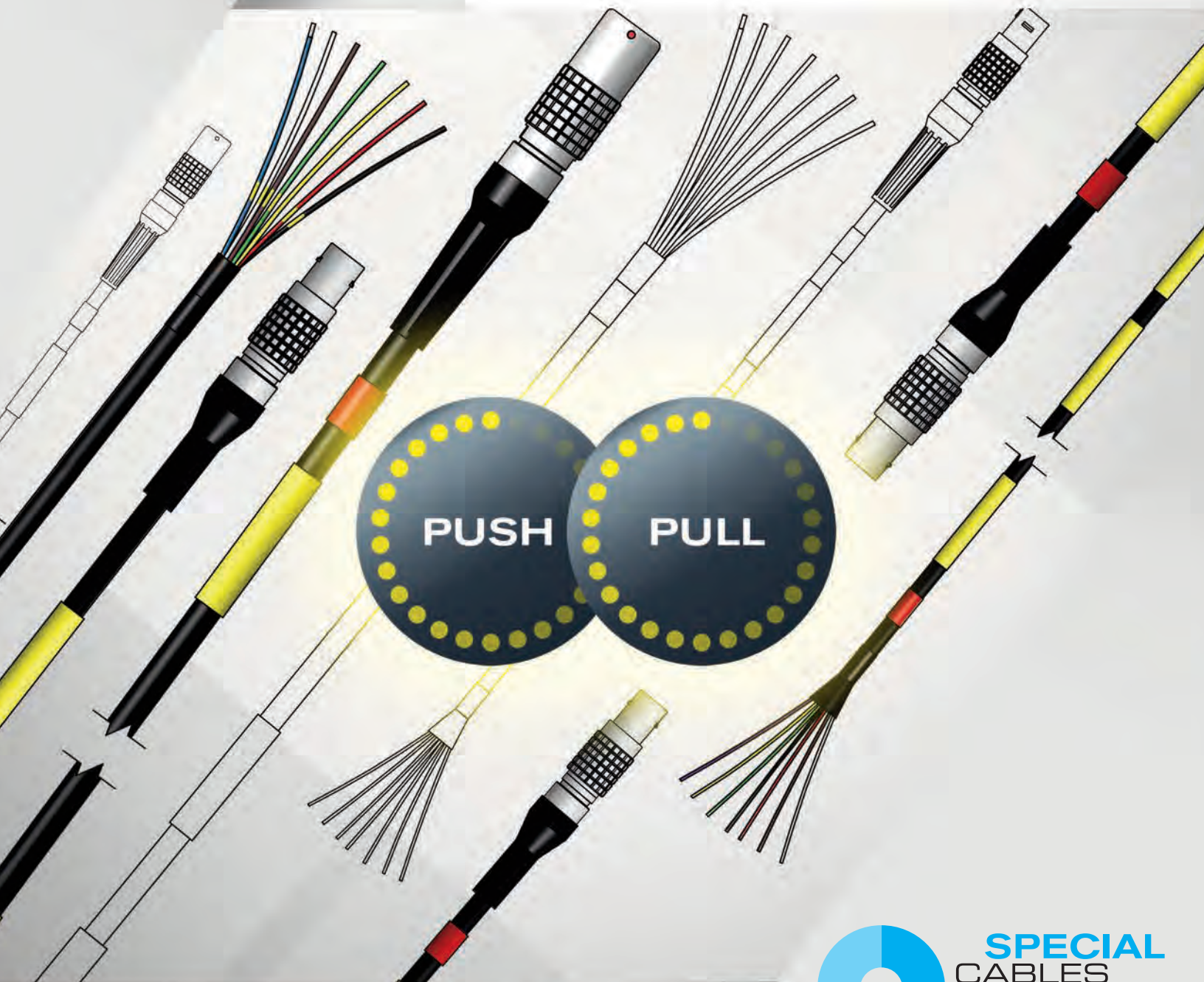
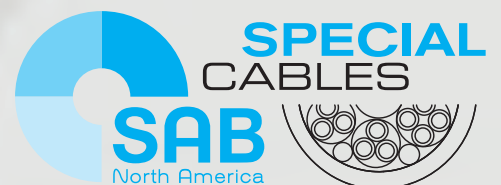


ASSEMBLIES

PUSH PULL 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



Push-Pull connectors are used wherever a robust and easily detachable connection is needed. Plugs from Lemo, ODU, Yamaichi or Fischer are available in different configurations (voltage, tightness, material). SAB Bröckskes uses these connectors to create customized solutions with compatible high quality cables and plugs. Multiple connector and cable variations for medical, measurement or military technologies are possible. Further advantages that SAB Bröckskes offers are individual marking as well as integrated memory elements (TEDS).

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

Push Pull Cable Assemblies

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:

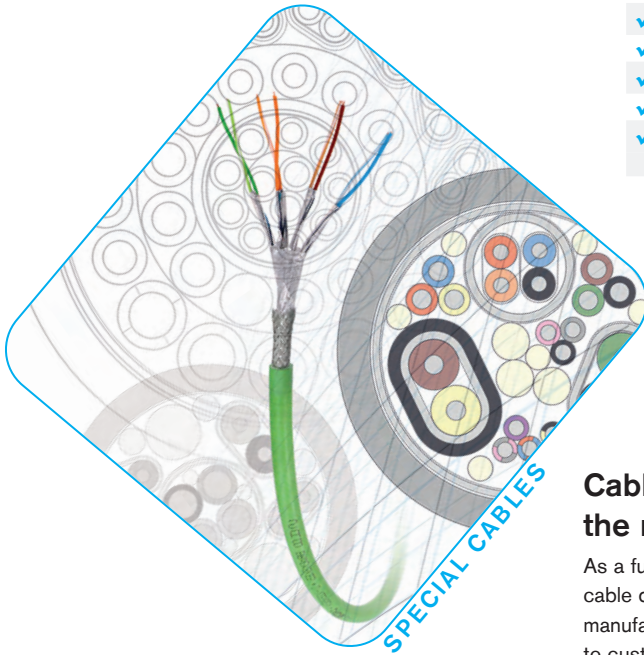
- ✓ PVC
- ✓ Polyethylene
- ✓ Polypropylene
- ✓ Polyurethane
- ✓ TPE
- ✓ SABIX® (zero halogen)
- ✓ Besilen® - Silicone
- ✓ FEP, ETFE, PFA, PTFE
- ✓ PI foil
- ✓ Fiberglass

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:

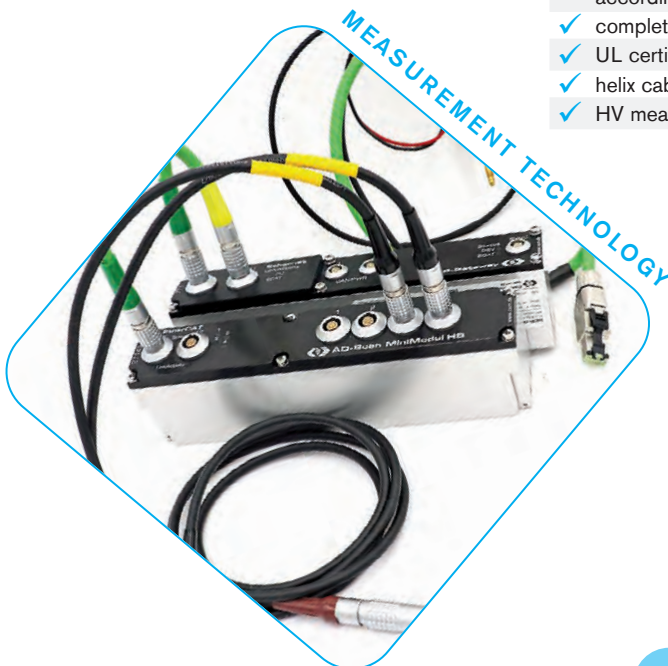
- ✓ cross sections 0.055 - 300 mm²
- ✓ unshielded and shielded over 100 conductors



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

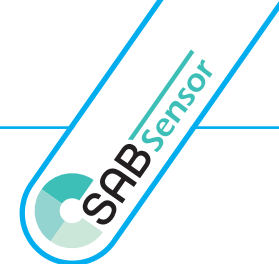


Measuring technology for industrial applications

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

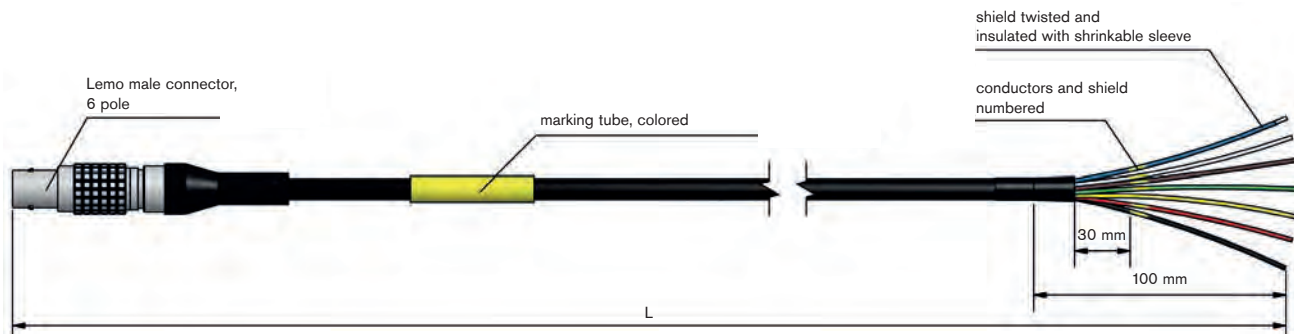
- ✓ mineral insulated thermocouples
- ✓ mineral insulated resistance thermometers
- ✓ temperature sensors
- ✓ mobile high voltage measuring technology
- ✓ temperature sensors for vehicle testing

Push Pull Cable Assemblies



Sensor cable

with 6 pole Lemo male connector and stripped end



Application:

sensor cable, open ends



Cable characteristics:

- mechanically very rugged
- very flexible
- +125°C / 2500h

Cable data:

Construction:	7 x AWG26
Insulation:	TPFK
Shield:	overall shield >80%
Outer jacket:	PUR 420, color black, matte surface
Outer diameter:	approx. 4.3 mm
Min. bending radius:	10 x O.D.
Peak operating voltage:	max. 350 V
Temperature range:	-40/+90°C (+125°C / 2500h)
Oil resistance:	very good – TMPU acc. to EN50363-10-2

Configuration example:

item no.	length "L" in cm
S3833-4080-00050	50

Connector:

side 1:	Lemo male connector, 6 pole
side 2:	stripped end

SAB marking:

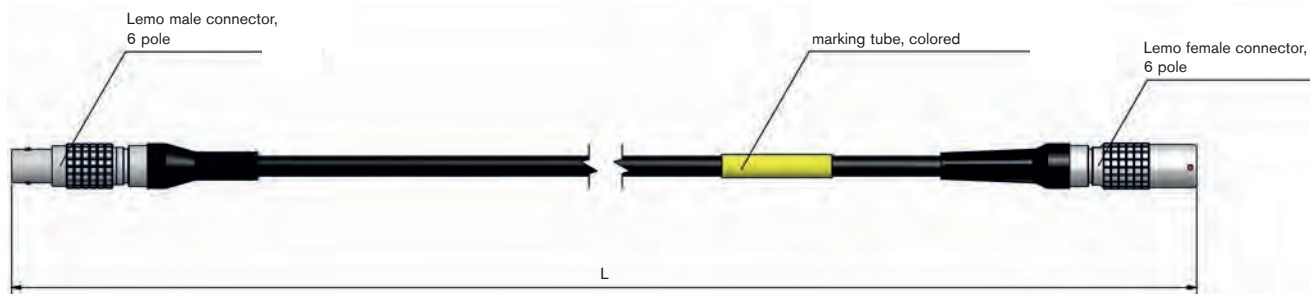
item number, order number, length

Push Pull Cable Assemblies



Sensor cable

with 6 pole Lemo male and female connector



Application:

sensor extension cable



Cable characteristics:

- mechanically very rugged
- very flexible
- +125°C / 2500h

Cable data:

Construction:	7 x AWG26
Insulation:	TPFK
Shield:	overall shield >80%
Outer jacket:	PUR 420, color black, matte surface
Outer diameter:	approx. 4.3 mm
Min. bending radius:	10 x O.D.
Peak operating voltage:	max. 350 V
Temperature range:	-40/+90°C (+125°C / 2500h)
Oil resistance:	very good – TMPU acc. to EN50363-10-2

Configuration example:

item no.	length "L" in cm
S3833-4291-00100	100

Connector:

side 1:	Lemo male connector, 6 pole
side 2:	Lemo female connector, 6 pole

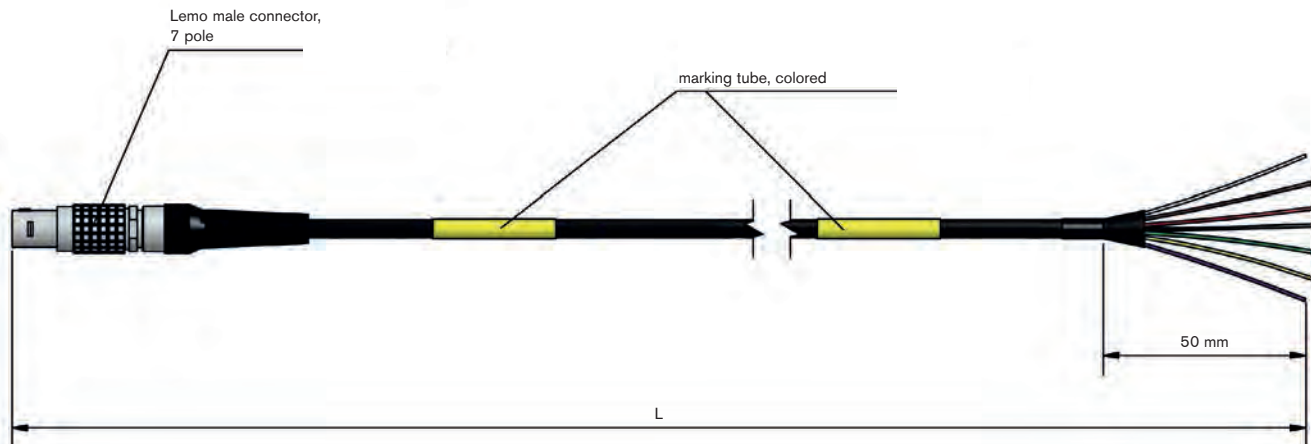
SAB marking:

item number, order number, length

Push Pull Cable Assemblies

Sensor cable

with 7 pole Lemo male connector and stripped end



Application:

cable for strain gauges



Cable characteristics:

- mechanically very rugged
- very flexible
- +125°C / 2500h

Cable data:

Construction:	7 x AWG26
Insulation:	TPFK
Shield:	overall shield >80%
Outer jacket:	PUR 420, color black, matte surface
Outer diameter:	approx. 4.3 mm
Min. bending radius:	10 x O.D.
Peak operating voltage:	max. 350 V
Temperature range:	-40/+90°C (+125°C / 2500h)
Oil resistance:	very good – TMPU acc. to EN50363-10-2

Configuration example:

item no.	length "L" in cm
S3833-4329-00600	600

Connector:

side 1:	Lemo male connector, 7 pole
side 2:	stripped end

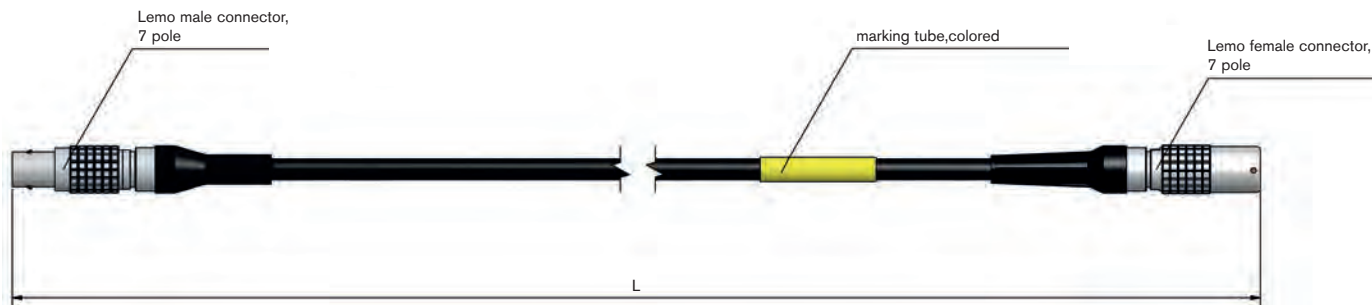
SAB marking:

item number, order number, length

Push Pull Cable Assemblies

Sensor cable

with 7 pole Lemo male and female connector



Application:

extension cable for strain gauges



Cable characteristics:

- mechanically very rugged
- very flexible
- +125°C / 2500h

Cable data:

Construction:	7 x AWG26
Insulation:	TPFK
Shield:	overall shield >80%
Outer jacket:	PUR 420, color black, matte surface
Outer diameter:	approx. 4.3 mm
Min. bending radius:	10 x O.D.
Peak operating voltage:	max. 350 V
Temperature range:	-40/+90°C (+125°C / 2500h)
Oil resistance:	very good – TMPU acc. to EN50363-10-2

Configuration example:

item no.	length "L" in cm
S3833-4534-00700	700

Connector:

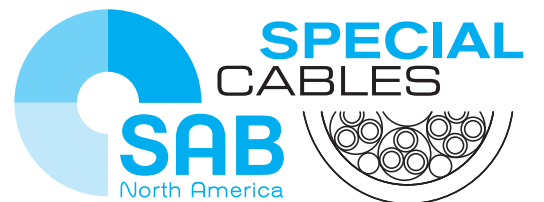
side 1:	Lemo male connector, 7 pole
side 2:	Lemo female connector, 7 pole

SAB marking:

item number, order number, length



June 2023



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