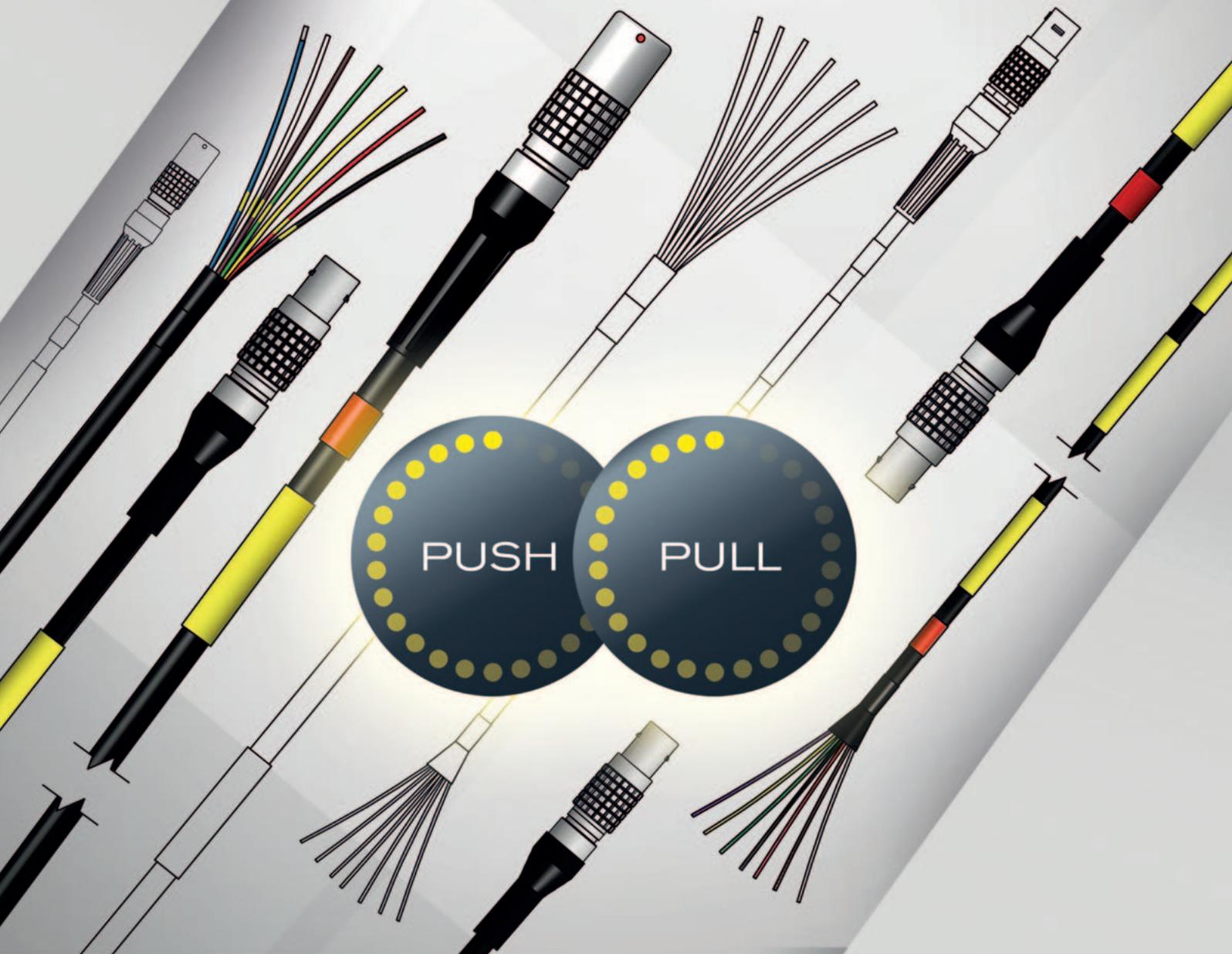


HARNESSED PUSH PULL CABLES



Family business in the third generation

75 years of experience in cable and wire manufacturing as well as in temperature measurement technology turned a one-man business into a company with more than 550 employees. We prove our strength every year with more than 1500 special products according to customers' requirements. Each product is a new challenge for our creative technical team. We at **SAB** see ourselves as a manufacturer and a service provider – in the sense of true partnership and the greatest possible customer orientation.

Today, the quality of our products is known and appreciated in more than 100 countries around the world. In all product ranges, we are certified according to DIN EN ISO 9001. Furthermore, we have implemented an environmental management system for our company according to DIN EN ISO 14001, an occupational health and safety management system according to NLF/ILO-OSH and DIN ISO 45001, and an energy management system according to DIN EN ISO 50001.

And also for the future, our slogan is: **"WE GO FORWARD!"**

FOUNDED:	1947 by Peter Bröckskes sen. an independent, medium-sized company.
CEO:	Peter Bröckskes and Sabine Bröckskes-Wetten
PLANT/LOCATION:	In Viersen (Lower Rhine) 110.000 m ² company site. Own manufacturing from copper conductor to outer sheath. VDE approved burnchamber and laboratory within the company.
EMPLOYEES/WORKERS:	approx. 430 at the plant in Viersen, 550 worldwide
YEARLY SALES:	over 134 Mio. € worldwide
PRODUCTS:	Special Cables Measurement Technology Cable Harnessing
CERTIFICATES AND APPROVALS:	Quality management system acc. to DIN EN ISO 9001 for every manufacturing field Environmental management system acc. to DIN EN ISO 14001 Occupational health and safety management acc. to NLF/ILO-OSH and DIN ISO 45001 Energy management system acc. to DIN EN ISO 50001



HARNESSED CABLES



UL certified
cable harness

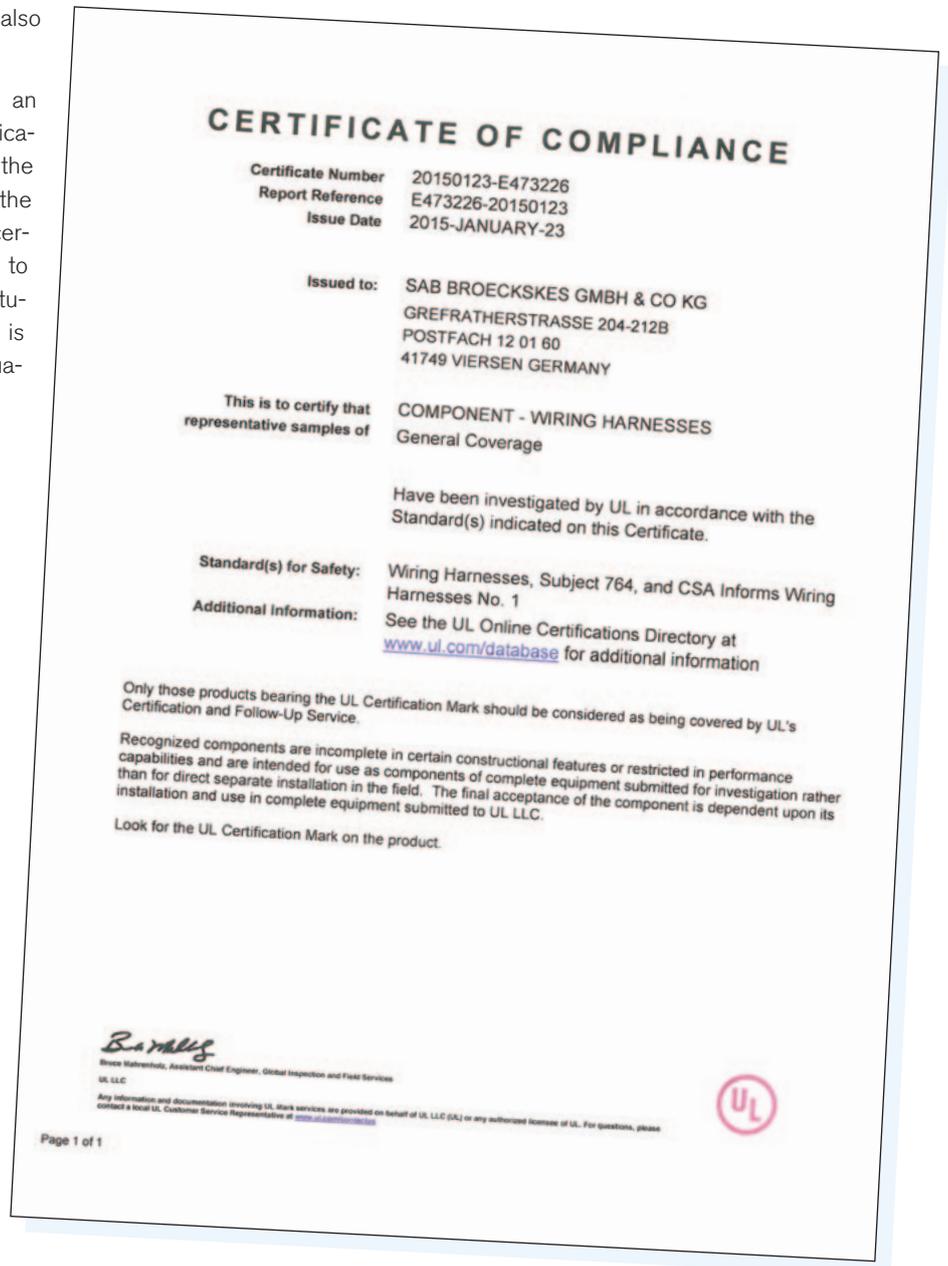
SAB Bröckskes has completed its range of harnessed cables with the certification acc. to UL Standard Wiring Harness „category ZPFW2 (UL)“ and „ZPFW8 (Canada)“ and herewith strengthens its position as cable specialist for cable harness acc. to customer's specification.

Whenever harnessed cables are produced as component part of a final product for the North American and Canadian market, an UL certified cable harness is necessary. With the UL certification **SAB** ensures the detailed traceability of individual components as for example cables, plugs or sleeves and offers highest planning reliability also with special harnessing products.

Underwriter Laboratories Inc. (UL), an independent American test and certification authority confirms the use of the materials and documents required by the final customer according to the UL certification for "Wiring Harness" acc. to ZPFW2 and ZPFW8. In the manufacturer's data base (www.ul.com) **SAB** is listed under file no. E473226 as a qualified and reliable manufacturer.

The requirements for UL certified cable harness are controlled by external audits every three months in order to guarantee the high requirements of the UL standards. Besides our cables, also harnessed versions, are tested in our own laboratory with regard to safety and reliability and are marked with the „Wiring Harness Label“.

On request **SAB** is able to manufacture cable harnessing products acc. to customer's specification acc. to UL Wiring Harnesses ZPFW2 and ZPFW8 from the cable to the harness and offers broad advice.

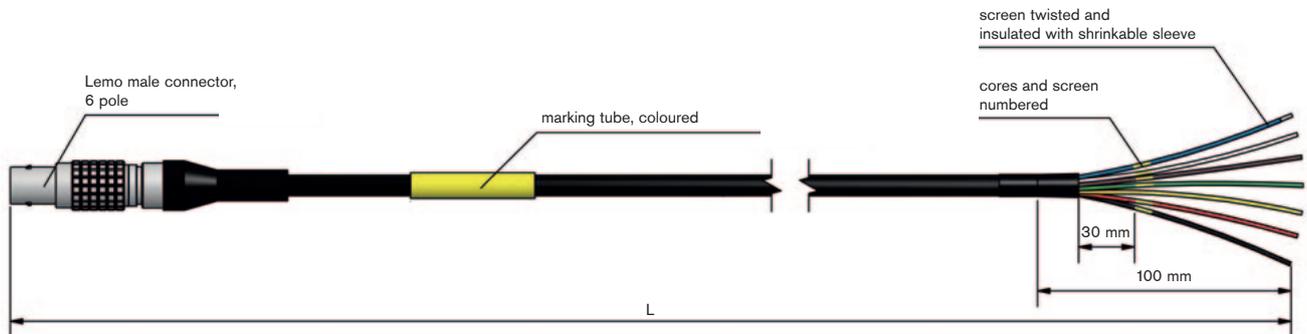


PUSH PULL CABLES



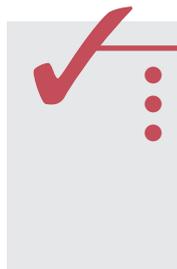
SENSOR CABLE

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
Screen:	overall screen >80%
Outer sheath:	PUR 420, colour black, mat surface
Outer diameter:	approx. 4,3 mm
Min. bending radius:	10 x 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:

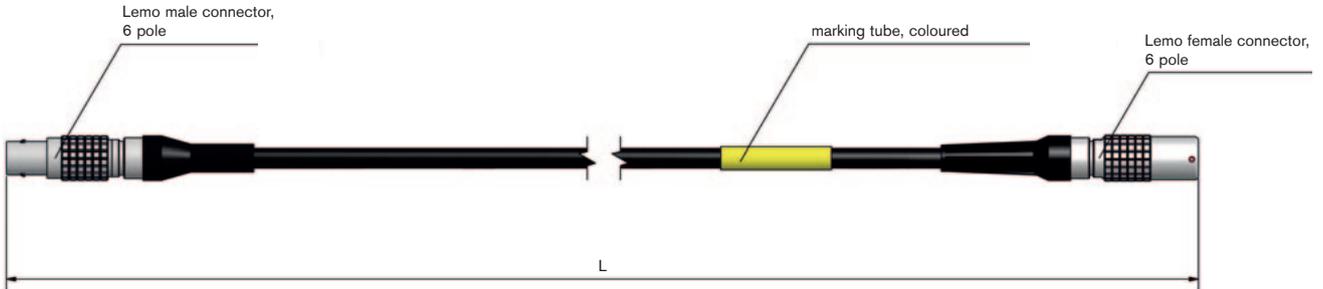
item number, order number, length

PUSH PULL CABLES



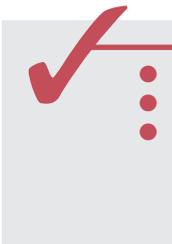
SENSOR CABLE

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
Screen:	overall screen >80%
Outer sheath:	PUR 420, colour black, mat surface
Outer diameter:	approx. 4,3 mm
Min. bending radius:	10 x 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:

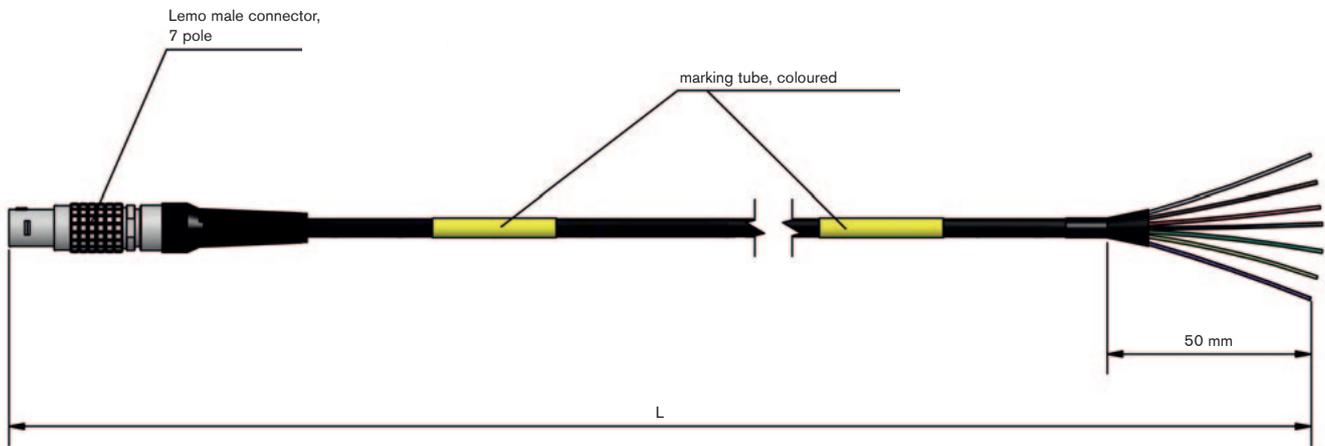
item number, order number, length

PUSH PULL CABLES



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
Screen:	overall screen >80%
Outer sheath:	PUR 420, colour black, mat surface
Outer diameter:	approx. 4,3 mm
Min. bending radius:	10 x 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:

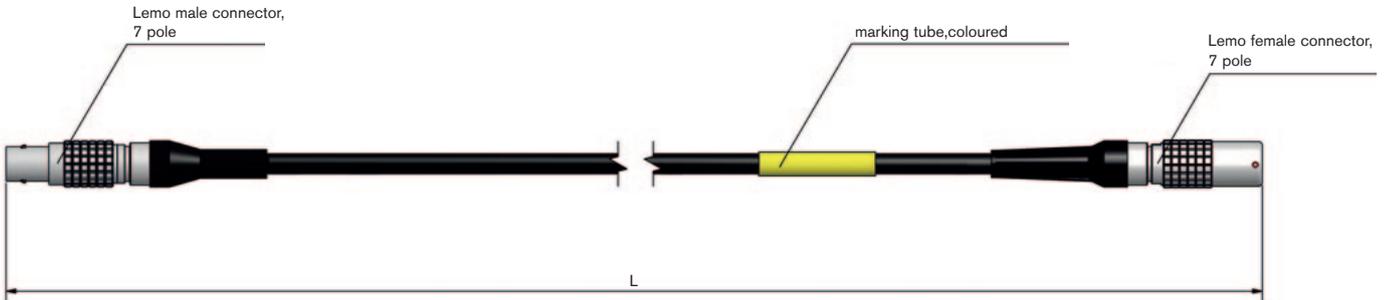
item number, order number, length

PUSH PULL CABLES



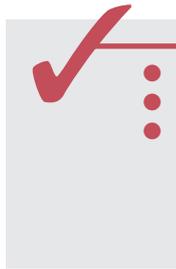
SENSOR CABLE

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
Screen:	overall screen >80%
Outer sheath:	PUR 420, colour black, mat surface
Outer diameter:	approx. 4,3 mm
Min. bending radius:	10 x 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:

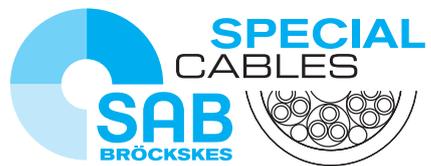
item no.	length „L“ in cm
S3833-4534-00700	700

Connector:

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

SAB marking:

item number, order number, length



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