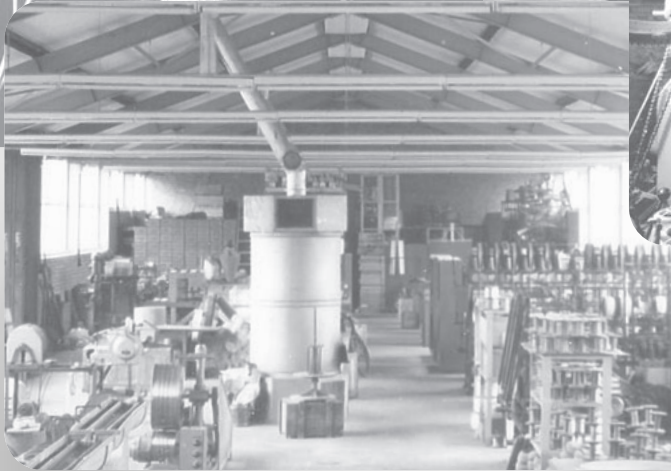


HARNESSED CABLE OVERMOULDING



www.sab-cable.com





TRADITIONAL
FAMILY BUSINESS
SINCE 1947

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



CABLE OVERMOULDING



CATLINE CAT. 6A S - IE CONNECTION CABLE

Industrial Ethernet cable, suitable for cable tracks, with moulded M12 connector and mounted RJ45 connector



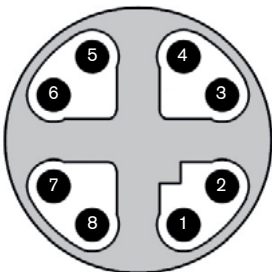
Application: IE system cable for continuously flexible application, e.g. in cable tracks in industrial environment.

Technical Data:

Temperature range:	-40 °C to +70 °C
Voltage:	48 V
Protection class:	IP67 (M12, in stretched condition), IP20 (RJ45)
Connection side 1:	M12 X-coded, male connector, straight, moulded with vibration seal
Connection side 2:	RJ45 connector, mounted, Cat. 6A, 8-pole with cable gland
Marking:	yellow marking tube with marking: item number - order number - length - certification mark

Cable characteristics:

SAB item no.:	L1677-4631
Dimension:	4 x 2 x 26 AWG
Conductor:	bare copper strands, fine wires
Insulation:	special polymer
Screen:	alu foil and tinned copper braiding
Outer sheath:	PUR, green (similar RAL 6018)
Outer diameter:	approx. 7,1 mm
Approvals:	UL/CSA
Oil resistance:	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Min. bending radius	
<i>flexible application:</i>	5 x d
<i>continuously flexible:</i>	15 x d



connection diagram/pin assignment		
side 1	TIA 568-B	side 2
M12 connector	core	M12 connector
pin 1	white-orange	pin 1
pin 2	orange	pin 2
pin 3	white-green	pin 3
pin 4	green	pin 4
pin 5	white-brown	pin 5
pin 6	brown	pin 6
pin 7	white-blue	pin 7
pin 8	blue	pin 8
housing	screen	housing



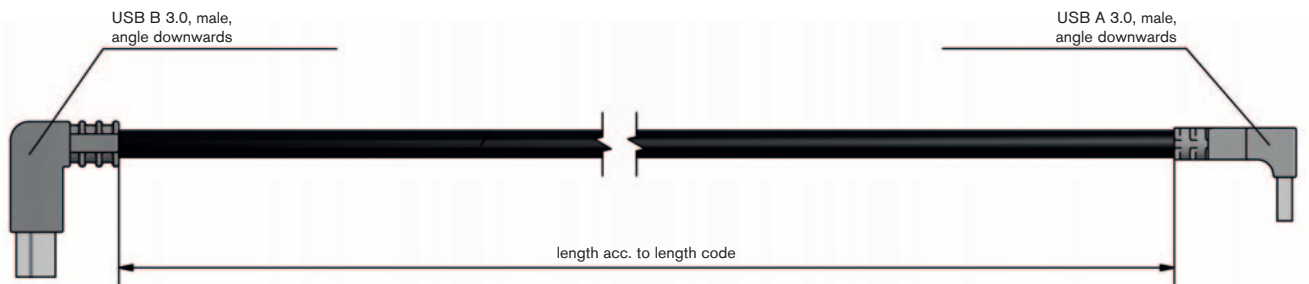
item no. with length code	
length	item no.: S1677-4027-_____
0,5 m	00050
1,0 m	00100
2,0 m	00200
3,0 m	00300
5,0 m	00500
7,5 m	00750
10,0 m	01000
15,0 m	01500
20,0 m	02000
25,0 m	02500

CABLE OVERMOULDING



USB 3.0 CABLE

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



Technical Data:

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

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®
Screen:	alu foil with drain wire as well as tinned copper braiding
Outer sheath:	PUR, black (similar RAL 9005)
Outer diameter:	approx. 6,4 mm

item no. with length code	
length	item no.: S3600-4103-_____
0,24 m	00024
0,5 m	00050
1,0 m	00100
2,0 m	00200
3,0 m	00300
5,0 m	00500
7,5 m	00750
10,0 m	01000
15,0 m	01500
20,0 m	02000
25,0 m	02500

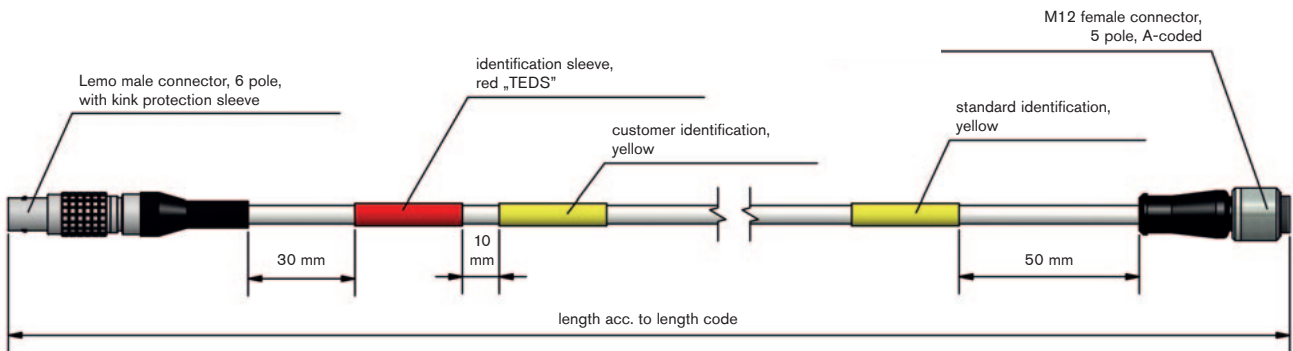


CABLE OVERMOULDING



DATA CABLE

with 6 pole male connector and M12 female connector



Technical Data:

Temperature range:	-40 °C to +80 °C
Voltage range:	0 – 60 V
Connection side 1:	M12 female connector, 5 pole, overmoulded
Connection side 2:	Lemo male connector, 6 pole

Cable characteristics:

SAB item no.:	L3833-0522
Dimension:	5 x AWG 22/7
Conductor:	tinned copper strands, fine wires
Insulation:	FEP
Screen:	tinned copper braiding
Outer sheath:	FEP, white (similar RAL 1013)
Outer diameter:	approx. 4,2 mm

item no. with length code	
length	item no.: S3833-4284-_____
0,5 m	00050
1,0 m	00100
2,0 m	00200
3,0 m	00300
5,0 m	00500
7,5 m	00750
10,0 m	01000
15,0 m	01500
20,0 m	02000
25,0 m	02500

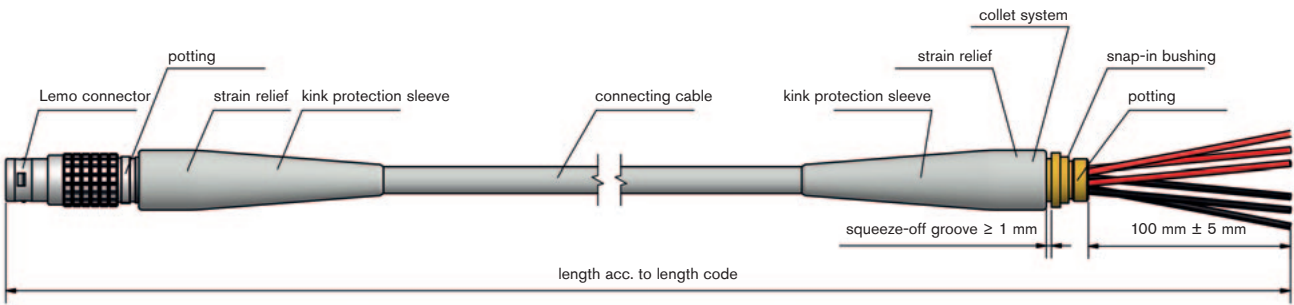
connection diagram/pin assignment			
Lemo male connector	core		M12 female connector
pin 1		yellow	pin 4
pin 2		green	pin 3
pin 3		grey	pin 5
pin 4		white	pin 2
pin 5		brown	pin 3
pin 6		---	pin 1
housing		screen	housing

CABLE OVERMOULDING



SABMED S-CABLE

with connector and overmoulded kink protection sleeve, 4 m








Technical Data:

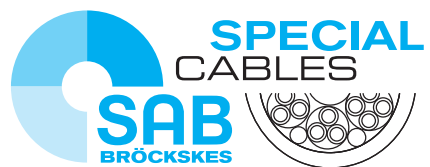
Temperature range:	-25 °C to +180 °C
Voltage range:	0 – 12 V
Connection side 1:	Lemo male connector, 6 pole, overmoulded
Connection side 2:	mounted snap-in bushing, overmoulded

Cable characteristics:

SAB item no.:	L3900-0032
Dimension:	6 x 1,0 mm ²
Conductor:	silver-plated copper strands, fine wires
Insulation:	FEP
Screen:	tinned copper braiding
Outer sheath:	Smed S, grey (similar RAL 7004)
Outer diameter:	approx. 7,5 mm

item no. with length code	
length	item no.: S3600-4103-_____
0,5 m	00050
1,0 m	00100
2,0 m	00200
3,0 m	00300
5,0 m	00500
7,5 m	00750
10,0 m	01000
15,0 m	01500
20,0 m	02000
25,0 m	02500

connection diagram/pin assignment	
connector	core
pin 1	 black
pin 2	 red
pin 3	 red
pin 4	 black
pin 5	 white
housing	screen



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