CABLES & ACCESSORIES
FOR LAMP & LIGHT APPLICATIONS

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SPECIAL CABLES
SAB North America

About Us

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

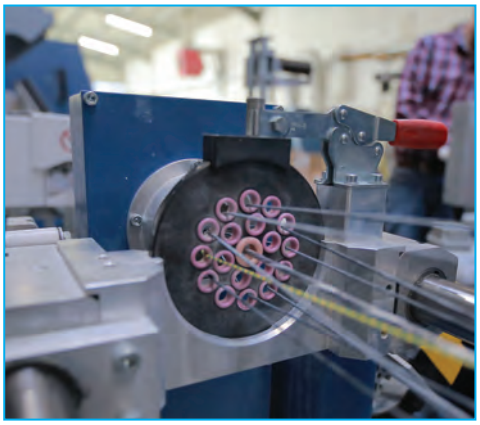
Whatever the need may be, look to SAB North America for Special Cables that can, for example, help minimize maintenance costs and increase productivity, reduce downtime, and solve specific problems. Here is a small sample of some of the challenges that Special Cables from SAB North America can help address:

- Hybrid designs for multiple functions
- Harsh environments
- Difficult applications
- Industry-specific requirements

Above all in industrial lightning applications, cables need to withstand high and fluctuating ambient temperatures up to +180°C. For this application, SAB offers a broad range of Besilen® insulated cables and strands. These are particularly used for the inner wiring of lamps and devices as well as for the wiring of switch and distribution boards with low mechanical stress.

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

Content

Applications

Applications of FEP/PVC lamp cable

TA 835 Y (TR)	Our lamp cable is used in the lamp and light applications for the connection of halogen lamps and lighting or downlights. This cable has a transparent PVC outer jacket. The conductors have a FEP insulation which is very temperature resistant and which is made to withstand the extremely high temperature of the halogen lights of up to +180 °C

Applications of Besilen® cables

Our Besilen® (Silicone) cables are suitable for diverse applications. The product applications range from ignition cables to jacketed cables with mechanical protection and cables with flame protection. Therefore, Besilen® cables can be used in the following industries: oven plants, foundries, heating appliances, smelteries, steelworks, hot-rolling mills, illumination, in ships and airplanes, cement, glass and ceramic factories, bakeries, oil burners, solariums, saunas, coolers, air-conditioning, electronic motor engineering and under certain conditions in food and medical industries. Wherever they are used, Besilen® cables have one thing in common: outstanding heat and cold resistance.

Exemplary applications:

BiS	Especially for the insulation of connecting and soldering points, can be drawn over cables or conductors in lamps, heating appliances and electrical plants
BiAF/YW	Connection cable for low-voltage lamps, connection between transformer and halogen lamp

Applications of Besilen® single conductors

Our Besilen® ignition cables and Besilen® high-voltage ignition cables are suitable for the application at high or very unsteady ambient temperatures of up to +180°C. Besilen® insulated wires and Besilen® insulated stranded wire are suitable for the use at high ambient temperatures especially for the internal wiring of lamps and appliances as well as for the wiring of switchboard plants and distributors, at low mechanical loads.

Exemplary applications:

BiZ	Application in smelteries, steelworks and hot-rolling mills, in cement, glass and ceramic factories or for the internal wiring of lamps and heating appliances
ZKBi	Ignition cable for the use at high and very unsteady ambient temperatures, e.g. in thermal and process technologies, in motor engineering, in heat system technology, in dedusting plant and fan engineering
HZLBi	Ignition cable for the use at high and very unsteady ambient temperatures in lamp and illumination industries, e.g. for floodlight projectors or industrial lamps, in electric heating engineering, in thermal and process technologies, in refrigeration and air-conditioning industries
BiL	Single conductor for tubes lamps, especially for the use at high and very unsteady ambient temperatures, mostly in lamp and illumination industries, e.g. for floodlight projectors or industrial lamps, drop lights, equipment lights (protected installation is necessary)
BiA	For internal wiring in lamps, appliances, switchboard plants and distributors in industries such as industrial oven construction, smelteries, steelworks and hot-rolling mills, cement, glass, ceramic and plastic processing and electric industries
BiAF N2GFA/2GFA	Flexible applications for internal wiring of lamps, heating appliances, switchboard plants and distributors in industries such as smelteries, steelworks and hot-rolling mills, industrial oven and textile machine construction, lamp, illumination and electric industries, wood working and paper processing industries
BiAFF N2GFAF/2GFAF	Highly flexible applications for internal wiring of lamps, heating appliances, switchboard plants and distributors in industries such as e.g. smelteries, steelworks and hot-rolling mills, industrial oven and machine tool construction, lamp, illumination and electric industries as well as electric drive technology. They can be applied as connection of battery system or energy storage.
B 118 B 119 B 120	These insulated strands with 0.6/1kV, 1.8/3 kV resp. 3.6/6 kV are for example used in switchboards and distributors, in industrial furnaces and textile machine construction as well as in railway technology. They can be applied as connection of battery system or energy storage.

Applications of Besilen® single conductors with fiber-glass braiding

These Besilen® cables with fiber-glass braiding are for use at high ambient temperatures for internal wiring e.g. of lamps, heating appliances and electric machines as well as for wiring of switchboard plants and distributors. The fiber-glass braiding offers protection against mechanical damage and at the same time offers excellent heat resistance.

Exemplary applications:

BiAF/GL 05SJ-U 05SJ-K	Application at ambient temperatures higher than +55°C, for internal wiring of e.g. lamps and illuminations, heating appliances, household, kitchen and laboratory appliances, electric machines, switchboard plants and distributors, medical appliances

Note: If hermetically sealed and used at temperatures higher than 90°C the mechanical characteristics of Silicone rubber will be reduced.

Applications

TA 835 Y (TR)

FEP/PVC Lamp cable

Application: For the connection of lamps and lighting.

Construction:

Conductor:	tinned copper strands, fine wires
Insulation:	FEP, transparent with colored separating threads acc. to VDE 0293-308
Stranding:	in layers
Jacket material:	PVC
Jacket color:	transparent
optional:	steel rope connected parallel with bridge- can be separated from each other

Outstanding features:

- **transparent**
- **flexible**
- **optional steel rope for separate load reception for suspended lamps**

Technical data:

Nominal voltage:	Uo/U 300/500 kV
Testing voltage:	conductor/conductor: 2500 V
Min. bending radius:	
fixed installation:	5 x O.D.
free movement:	10 x O.D.
Temperature range:	
static:	-40/+70°C
flexible:	-5/+70°C
Minimum tensile strength of the steel rope (optional)	0.86 kN
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

without steel rope

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 38350307	19 AWG/3c	0.205	5.2	31
▶ 38350507	19 AWG/5c	0.240	6.1	47
▶ 38350315	16 AWG/3c	0.232	5.9	48

Other dimensions and colors are available on request

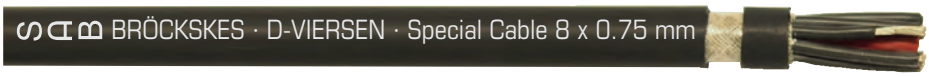
with steel rope

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 38359005	19 AWG/3c	0.205 x 0.343	5.1 x 8.7	36

Other dimensions and colors are available on request

SAB Pyro 735

Halogen-free fireproof installation cable



Marking for SAB Pyro 735 7359006
SAB BRÖCKSKES · D-VIERSEN · Special Cable 8 x 0.75 mm² 7359006 CE

Application: For the fireproof installation of lamps and lighting in the interior of buildings.

Construction:

Conductor:	tinned copper strands, fine wires acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen®
Color code:	black conductors with consecutive numbers
Stranding:	in layers
Wrapping:	mica tape
Jacket material:	SABIX®
Jacket color:	black (similar RAL 9005)

Outstanding features:

- **very good flexibility**
- **halogen-free**
- **no development of corrosive conflagration gases**
- **fireproof PH 30**

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	conductor/conductor: 2500 V
Min. bending radius: *fixed installation:*	10 x O.D.
Temperature range: *static:* *flexible:*	-25/+90°C -40/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	acc. to EN 50200, Classification PH 30
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km
► 7359006	19 AWG/8c	0.398	10.1	105	26.7

Other dimensions and colors are available on request

N2GFA/2GFA

Silicone insulated solid wire acc. to DIN VDE 0250

Construction:

Conductor:	solid tinned copper wire acc. to IEC 60228, VDE 0295, class 1
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1

Outstanding features:

- **halogen-free**
- **0.75 mm² VDE standardized**
- **flexible at low temperatures**
- **heat resistant**

Technical data:

Nominal voltage:	Uo/U 300/300 kV
Testing voltage:	2000 V
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 157005...*	20 AWG/1c	0.083	2.1	6
► 151007...*	19 AWG/1c**	0.087	2.2	7
► 157010...*	18 AWG/1c	0.094	2.4	9
► 157015...*	16 AWG/1c	0.110	2.8	14
► 157025...*	14 AWG/1c	0.134	3.4	22

Other dimensions and colors are available on request

***Color code for single conductors:**

0 = green/yellow
1 = blue
2 = black
3 = brown
4 = gray
5 = white
6 = reddish brown
7 = red
9 = nature

**N2GFA 0.75 mm² (19 AWG) according to DIN VDE 0250 part 502.
Other cross sections with reference to DIN VDE 0250 part 502.

N2GFAF/2GFAF

Silicone insulated stranded wire acc. to DIN VDE 0250

Construction:

Conductor:	tinned copper wire acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1

Outstanding features:

- **flexible**
- **halogen-free**
- **0.75 mm² VDE standardized**
- **flexible at low temperatures**
- **heat resistant**

Technical data:

Nominal voltage:	Uo/U 300/300 kV
Testing voltage:	2000 V
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 158002...*	24 AWG/1c	0.075	1.9	4
► 158003...*	22 AWG/1c	0.079	2.0	5
► 158005...*	20 AWG/1c	0.083	2.1	6
► 152007...*	19 AWG/1c**	0.094	2.4	8
► 158010...*	18 AWG/1c	0.098	2.5	9
► 158015...*	16 AWG/1c	0.118	3.0	13
► 158025...*	14 AWG/1c	0.142	3.6	21

Other dimensions and colors are available on request

***Color code for single conductors:**

0 = green/yellow	5 = white
1 = blue	6 = reddish brown
2 = black	7 = red
3 = brown	9 = nature
4 = gray	

**N2GFA 0.75 mm² (19 AWG) according to DIN VDE 0250 part 502.
Other cross sections with reference to DIN VDE 0250 part 502.

05SJ-U

Silicone insulated solid wire with fiber-glass braiding with reference to DIN EN 50525-2-41

Construction:

Conductor:	solid tinned copper wire acc. to IEC 60228, VDE 0295, class 1
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Standard color:	nature
Braiding:	fiber-glass
Impregnation:	impregnating lacquer

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**

Technical data:

Nominal voltage:	Uo/U 300/500 kV
Testing voltage:	2000 V
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 1540109	19 AWG/1c	0.118	3.0	13
▶ 1540159	16 AWG/1c	0.134	3.4	17
▶ 1540259	14 AWG/1c	0.157	4.0	26
▶ 1540409	12 AWG/1c	0.177	4.5	37
▶ 1540609	10 AWG/1c	0.197	5.0	50
▶ 1541009	8 AWG/1c	0.244	6.2	84

Other dimensions and colors are available on request

05SJ-K

Silicone insulated stranded wire with fiber-glass braiding with reference to DIN EN 50525-2-41

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Standard color:	nature
Braiding:	fiber-glass
Impregnation:	impregnating lacquer

Outstanding features:

- **flexible**
- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**

Technical data:

Nominal voltage:	Uo/U 300/300 kV
Testing voltage:	2000 V
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 1550059	20 AWG/1c	0.106	2.7	9
▶ 1550079	19 AWG/1c	0.118	3.0	11
▶ 1550109	18 AWG/1c	0.122	3.1	13
▶ 1550159	16 AWG/1c	0.138	3.5	17
▶ 1550259	14 AWG/1c	0.165	4.2	24
▶ 1550409	12 AWG/1c	0.071	1.8	34
▶ 1550609	10 AWG/1c	0.209	5.3	40
▶ 1551009	8 AWG/1c	0.252	6.4	81
▶ 1551609	6 AWG/1c	0.327	8.3	120
▶ 1552509	4 AWG/1c	0.398	10.1	189
▶ 1553509	2 AWG/1c	0.453	11.5	261
▶ 1555009	1 AWG/1c	0.516	13.1	361
▶ 1557009	2/0 AWG/1c	0.606	15.4	484
▶ 1559509	3/0 AWG/1c	0.709	18.0	647

Other dimensions and colors are available on request

BiAF/YW

low-voltage silicone connection cable for halogen lamps

RoHS

Marking for BiAF/YW 01352151:
SAB BRÖCKSKES · D-VIERSEN · BIAF/YW 2x1.5mm²

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Color code:	blue, red
Stranding:	2 conductors parallel
Jacket material:	PVC, TM4 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Jacket color:	black (similar RAL 9005)
Shape:	flat

Outstanding features:

- **due to silicone conductor insulation suitable for temperatures up to 180°C at conductors**
- **heat resistant PVC outer jacket for ambient temperatures up to 105°C for short-term use**
- **due to flat construction space-saving**
- **simplified connecting possibilities**
- **no wiring with single conductors**

Technical data:

Nominal voltage:	24V
Testing voltage:	conductor/conductor: 600 V
Min. bending radius:	7.5 x O.D.
Radiation resistance:	8 x 10^7 cJ/kg
Temperature range:	
static:	-40/+90°C
flexible:	+5/+90°C
short-term use:	+105°C
at the conductor:	+180°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Approvals:	RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 1352151	16 AWG/1c	0.228 - 0.138	5.8 - 3.5	30
▶ 1352251	14 AWG/1c	0.268 - 0.157	6.8 - 4.0	44
▶ 1352401	12 AWG/1c	0.307 - 0.173	7.8 - 4.4	65

Other dimensions and colors are available on request

BiS

Silicone non-fiberous insulating sleeve

RoHS

Outstanding features:

- halogen-free
- flexible at low temperatures
- heat resistant

Technical data:

Dielectic voltage:	20 kV/mm
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range:	
static:	-40/+180°C
flexible:	-25/+180°C
short-term use:	+250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Approvals:	RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	inside diameter x wall thickness inch	mm	outer-ø ±10% inch	±10% mm	weight ≈lbs/mft
▶ 1001004	0.039 - 0.016	1.0 - 0.40	0.071	1.8	1
▶ 1001504	0.059 - 0.016	1.5 - 0.40	0.091	2.3	2
▶ 1001506	0.059 - 0.024	1.5 - 0.60	0.106	2.7	4
▶ 1002004	0.079 - 0.016	2.0 - 0.40	0.110	2.8	3
▶ 1002504	0.098 - 0.016	2.5 - 0.40	0.130	3.3	3
▶ 1003004	0.118 - 0.016	3.0 - 0.40	0.150	3.8	4
▶ 1004005	0.157 - 0.020	4.0 - 0.50	0.197	5.0	6
▶ 1004007	0.157 - 0.030	4.0 - 0.75	0.217	5.5	10
▶ 1006009	0.236 - 0.035	6.0 - 0.90	0.307	7.8	16
▶ 1007009	0.276 - 0.035	7.0 - 0.90	0.346	8.8	18
▶ 1008010	0.315 - 0.039	8.0 - 1.00	0.394	10.0	23
▶ 1005210	0.394 - 0.039	10 - 1.00	0.472	12.0	30

Other dimensions and colors are available on request

BiZ

Silicone twin cable

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Jacket color:	reddish brown (similar RAL 3016)

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**

Technical data:

Nominal voltage:	Uo/U 300/300 kV
Testing voltage:	1500 V
Min. bending radius:	5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 1020205	20 AWG/2c	0.165 - 0.083	4.2 - 2.1	11
► 1020207	19 AWG/2c	0.189 - 0.094	4.8 - 2.4	15

Other dimensions and colors are available on request

ZKBi

Silicone ignition cable

testing voltage 20kV

RoHS

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Braiding:	fiber-glass
Jacket material:	Besilen® 2GM1 acc. to EN 50363-2 + VDE 0207-363-2-1
Jacket color:	blue (similar RAL 5012)

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**
- **voltage-stable**

Technical data:

Testing voltage:	20 kV
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 1040101	18 AWG/1c	0.315	8.0	52
► 1040115	16 AWG/1c	0.335	8.5	64

Other dimensions and colors are available on request

HZLBi

Silicone high-voltage ignition cable

testing voltage 20kV

RoHS

Construction:

Conductor:	tinned copper strands,19 x 0.25 mm ø
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Jacket color:	reddish brown (similar RAL 3016)

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**
- **voltage stable**

Technical data:

Testing voltage:	5 mm ø: 15 kV 7 mm ø: 20 kV
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 1050103	18 AWG/1c	0.197	5.0	24
▶ 1050102	18 AWG/1c	0.276	7.0	42

Other dimensions and colors are available on request

BiL

Silicone insulated single conductor wire for tube lamps (neon cable)

Nominal voltage 3.5/4.0/7.5 kV

RoHS

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Jacket color:	yellow (similar RAL 1006)

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**
- **neon colored**

Technical data:

Nominal voltage:	Uo 3.5 kV · Uo 4.0 kV · Uo 7.5 kV
Testing voltage:	10 kV
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft	nominal voltage kV
► 1063515	16 AWG/1c	0.173	4.4	22	3.5
► 1064815	16 AWG/1c	0.260	6.6	40	4.0
► 1067515	16 AWG/1c	0.299	7.6	50	7.5

Other dimensions and colors are available on request

BiA

Silicone insulated solid wire

Construction:

Conductor:	solid tinned copper wire acc. to IEC 60228, VDE 0295, class 1
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1

Outstanding features:

- **halogen-free**
- **heat resistant**

Technical data:

Nominal voltage:	Uo/U 300/300 kV
Testing voltage:	2000 V
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 111005...*	20 AWG/1c	0.071	1.8	5
▶ 111007...*	19 AWG/1c	0.079	2.0	7
▶ 111010...*	18 AWG/1c	0.083	2.1	9
▶ 111015...*	16 AWG/1c	0.102	2.6	13
▶ 111025...*	14 AWG/1c	0.126	3.2	21
▶ 111040...*	12 AWG/1c	0.146	3.7	32
▶ 111060...*	10 AWG/1c	0.165	4.2	45
▶ 111100...*	8 AWG/1c	0.220	5.6	77

Other dimensions and colors are available on request

*** Color code for single conductors:**

0 = green/yellow	4 = gray
1 = blue	5 = white
2 = black	6 = reddish brown
3 = brown	7 = red

BiAF

Silicone insulated stranded wire

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**

Technical data:

Nominal voltage:	Uo/U 300/500 kV
Testing voltage:	2000 V
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 113002...*	24 AWG/1c	0.067	1.7	3
▶ 113003...*	22 AWG/1c	0.071	1.8	4
▶ 113005...*	20 AWG/1c	0.075	1.9	5
▶ 113007...*	19 AWG/1c	0.087	2.2	7
▶ 113010...*	18 AWG/1c	0.091	2.3	9
▶ 113015...*	16 AWG/1c	0.110	2.8	12
▶ 113025...*	14 AWG/1c	0.134	3.4	19
▶ 113040...*	12 AWG/1c	0.157	4.0	30
▶ 113060...*	10 AWG/1c	0.177	4.5	42
▶ 113100...*	8 AWG/1c	0.240	6.1	72
▶ 113160...*	6 AWG/1c	0.295	7.5	112
▶ 113250...*	4 AWG/1c	0.366	9.3	182
▶ 113350...*	2 AWG/1c	0.421	10.7	253
▶ 113500...*	1 AWG/1c	0.484	12.3	351
▶ 113700...*	2/0 AWG/1c	0.575	14.6	479
▶ 113950...*	3/0 AWG/1c	0.689	17.5	646
▶ 113120...*	4/0 AWG/1c	0.748	19.0	791
▶ 113150...*	250 MCM/1c	0.823	20.9	982
▶ 113185...*	350 MCM/1c	0.906	23.0	1199
▶ 113240...*	450 MCM/1c	1.059	26.9	1615
▶ 113300...*	550 MCM/1c	1.181	30.0	2014

Other dimensions and colors are available on request

*** Color code for single conductors:**

0 = green/yellow	4 = gray
1 = blue	5 = white
2 = black	6 = reddish brown
3 = brown	7 = red

BiAFF

Silicone insulated stranded wire, highly flexible

Construction:

Conductor:	tinned copper strands, highly flexible
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**
- **highly flexible**

Technical data:

Nominal voltage:	Uo/U 300/300 kV
Testing voltage:	2000 V
Min. bending radius:	5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range:	
static:	-40/+180°C
flexible:	-25/+180°C
short-term use:	+250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 115025...*	24 AWG/1c	0.075	1.9	4
▶ 115050...*	20 AWG/1c	0.087	2.2	6
▶ 115051...*	20 AWG/1c	0.087	2.2	6
▶ 115075...*	19 AWG/1c	0.094	2.4	8
▶ 115076...*	19 AWG/1c	0.098	2.5	9
▶ 115100...*	18 AWG/1c	0.106	2.7	10
▶ 115101...*	18 AWG/1c	0.106	2.7	10
▶ 115150...*	16 AWG/1c	0.130	3.3	15
▶ 115250...*	16 AWG/1c	0.157	4.0	24

Other dimensions and colors are available on request

*** Color code for single conductors:**

0 = green/yellow	4 = gray
1 = blue	5 = white
2 = black	6 = reddish brown
3 = brown	7 = red

BiAF/GL

Silicone insulated stranded wire with fiber-glass braiding

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Standard color:	white
Braiding:	fiber-glass
Impregnation:	impregnating lacquer

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**
- **flexible**

Technical data:

Nominal voltage:	Uo/U 300/500 kV
Testing voltage:	2000 V
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range: *static:* *flexible:* *short-term use:*	 -40/+180°C -25/+180°C +250°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions (AWG/c)	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 1230050	20 AWG/1c	0.094	2.4	7
▶ 1230070	19 AWG/1c	0.106	2.7	9
▶ 1230100	18 AWG/1c	0.110	2.8	13
▶ 1230150	16 AWG/1c	0.130	3.3	14
▶ 1230250	14 AWG/1c	0.154	3.9	23
▶ 1230400	12 AWG/1c	0.177	4.5	32
▶ 1230600	10 AWG/1c	0.197	5.0	45
▶ 1231000	8 AWG/1c	0.260	6.6	79
▶ 1231600	6 AWG/1c	0.315	8.0	120
▶ 1232500	4 AWG/1c	0.386	9.8	185
▶ 1233500	2 AWG/1c	0.441	11.2	255
▶ 1235000	1 AWG/1c	0.472	12.0	359
▶ 1237000	2/0 AWG/1c	0.594	15.1	477
▶ 1239500	3/0 AWG/1c	0.693	17.6	656

Other dimensions and colors are available on request

B 118

Silicone insulated hook-up wire Uo/U 0.6/1kV

On request with UL recognition

nominal voltage Uo/U 0.6/1 kV

CE RoHS

Application: These insulated strands with 0.6/1 kV are for example used in switchboards and distributors, in industrial furnaces and textile machine construction as well as in railway technology. Equally they are applied as connection of battery system or energy storage.

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1

Outstanding features:

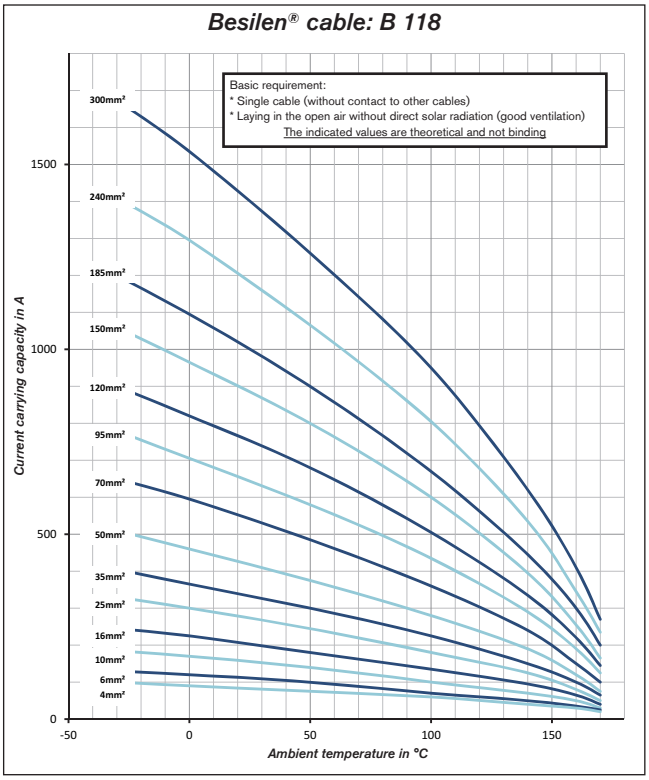
- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage:	2500 V
Current carrying capacity:	acc. to VDE 0298-4, see page O20 & O21
Min. bending radius:	7.5 x O.D.
Temperature range: *static:* *flexible:*	 -40/+180°C -25/+180°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosivity:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	mm²	AWG		outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 118..50*	0.50	20	(≈ 16/32)	0.098	2.5	7
▶ 118..75*	0.75	19	(≈ 23/32)	0.110	2.8	9
▶ 118..80*	1.00	18	(≈ 30/32)	0.114	2.9	11
▶ 118..82*	1.50	16	(≈ 27-29/30)	0.126	3.2	13
▶ 118..84*	2.50	14	(≈ 46/30)	0.150	3.8	21
▶ 118..86*	4.00	12	(≈ 52/28)	0.181	4.6	32
▶ 118..87*	6.00	10	(≈ 78/28)	0.201	5.1	44
▶ 118..88*	10.00	8	(≈ 77/26)	0.264	6.7	76
▶ 118..89*	16.00	6	(≈ 122/26)	0.319	8.1	115
▶ 118..90*	25.00	4	(≈ 190/26)	0.390	9.9	176
▶ 118..91*	35.00	2	(≈ 272/26)	0.445	11.3	243
▶ 118..92*	50.00	1	(≈ 400/26)	0.508	12.9	354
▶ 118..93*	70.00	2/0	(≈ 543/26)	0.598	15.2	468
▶ 118..94*	95.00	3/0	(≈ 484/24)	0.697	17.7	637
▶ 118..95*	120.00	4/0	(≈ 589/24)	0.772	19.6	780
▶ 118..96*	150.00	250 MCM	(≈ 740/24)	0.846	21.5	976
▶ 118..97*	185.00	350 MCM	(≈ 902/24)	0.929	23.6	1193
▶ 118..98*	240.00	450 MCM	(≈ 1220/24)	1.075	27.3	1598
▶ 118..99*	300.00	550 MCM	(≈ 1525/24)	1.197	30.4	1991

Other dimensions and colors are available on request



Color code for single conductors:

01 = black	06 = green
02 = blue	07 = violet
03 = brown	08 = white
04 = gray	16 = gentian blue
05 = yellow	27 = green/yellow

B 119

Silicone insulated hook-up Uo/U 1.8/3kV

On request with UL recognition

nominal voltage Uo/U 1.8/3 kV

RoHS

Application: These insulated strands with 1,8/3 kV are for example used in switchboards and distributors, in industrial furnaces and textile machine construction as well as in railway technology. Equally they are applied as connection of battery system or energy storage.

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**

Technical data:

Nominal voltage:	Uo/U 1.8/3 kV
Testing voltage:	6500 V
Current carrying capacity:	acc. to VDE 0298-4, see page O20 & O21
Min. bending radius:	7.5 x O.D.
Temperature range: *static:* *flexible:*	 -40/+180°C -25/+180°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosivity:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	mm²	AWG		outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 119..82*	1.50	16	(≈ 27-29/30)	0.165	4.2	19
▶ 119..84*	2.50	14	(≈ 46/30)	0.181	4.6	26
▶ 119..86*	4.00	12	(≈ 52/28)	0.205	5.2	36
▶ 119..87*	6.00	10	(≈ 78/28)	0.224	5.7	49
▶ 119..88*	10.00	8	(≈ 77/26)	0.287	7.3	82
▶ 119..89*	16.00	6	(≈ 122/26)	0.343	8.7	122
▶ 119..90*	25.00	4	(≈ 190/26)	0.421	10.7	187
▶ 119..91*	35.00	2	(≈ 272/26)	0.476	12.1	256
▶ 119..92*	50.00	1	(≈ 400/26)	0.524	13.3	357
▶ 119..93*	70.00	2/0	(≈ 543/26)	0.614	15.6	476
▶ 119..94*	95.00	3/0	(≈ 484/24)	0.728	18.5	657
▶ 119..95*	120.00	4/0	(≈ 589/24)	0.803	20.4	802
▶ 119..96*	150.00	250 MCM	(≈ 740/24)	0.862	21.9	989
▶ 119..97*	185.00	350 MCM	(≈ 902/24)	0.945	24.0	1201
▶ 119..98*	240.00	450 MCM	(≈ 1220/24)	1.091	27.7	1613
▶ 119..99*	300.00	550 MCM	(≈ 1525/24)	1.213	30.8	2008

Other dimensions and colors are available on request

Color code for single conductors:

01 = black	06 = green
02 = blue	07 = violet
03 = brown	08 = white
04 = gray	16 = gentian blue
05 = yellow	27 = green/yellow

B 120

Silicone insulated hook-up wire Uo/U 3.6/6kV

nominal voltage Uo/U 3.6/6 kV

RoHS

Application: These insulated strands with 3,6/6 kV are for example used in switchboards and distributors, in industrial furnaces and textile machine construction as well as in railway technology. Equally they are applied as connection of battery system or energy storage.

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**

Technical data:

Nominal voltage:	Uo/U 3.6/6 kV
Testing voltage:	11 kV
Current carrying capacity:	acc. to VDE 0298-4, see page O20 & O21
Min. bending radius:	7.5 x O.D.
Temperature range: *static:* *flexible:*	 -40/+180°C -25/+180°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosivity:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	mm²	AWG		outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 120..82*	1.50	16	(≈ 27-29/30)	0.268	6.8	38
▶ 120..84*	2.50	14	(≈ 46/30)	0.283	7.2	46
▶ 120..86*	4.00	12	(≈ 52/28)	0.307	7.8	59
▶ 120..87*	6.00	10	(≈ 78/28)	0.327	8.3	74
▶ 120..88*	10.00	8	(≈ 77/26)	0.374	9.5	108
▶ 120..89*	16.00	6	(≈ 122/26)	0.429	10.9	151
▶ 120..90*	25.00	4	(≈ 190/26)	0.508	12.9	223
▶ 120..91*	35.00	2	(≈ 272/26)	0.563	14.3	296
▶ 120..92*	50.00	1	(≈ 400/26)	0.610	15.5	402
▶ 120..93*	70.00	2/0	(≈ 543/26)	0.701	17.8	527
▶ 120..94*	95.00	3/0	(≈ 484/24)	0.807	20.5	711
▶ 120..95*	120.00	4/0	(≈ 589/24)	0.882	22.4	860
▶ 120..96*	150.00	250 MCM	(≈ 740/24)	0.941	23.9	1052
▶ 120..97*	185.00	350 MCM	(≈ 902/24)	1.008	25.6	1334

Other dimensions and colors are available on request

**** Color code for single conductors:***

01 = black	06 = green
02 = blue	07 = violet
03 = brown	08 = white
04 = gray	16 = gentian blue
05 = yellow	27 = green/yellow

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:

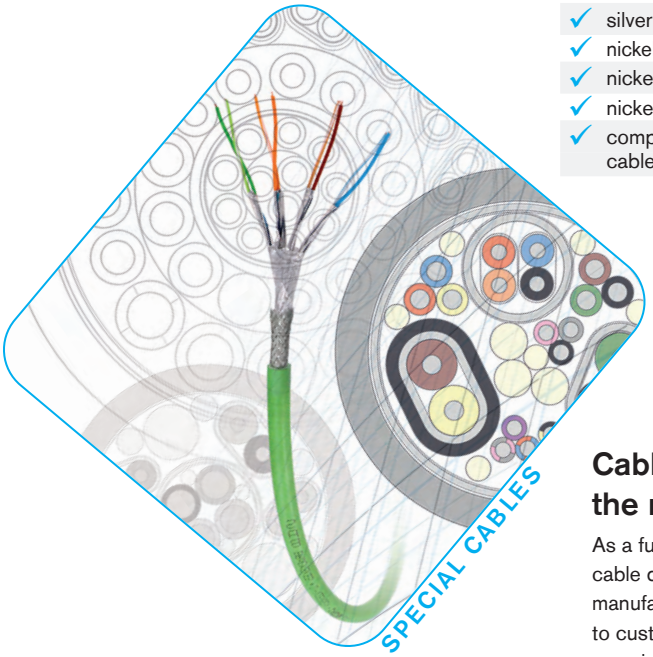
- ✓ bare copper
- ✓ tinned copper
- ✓ silver plated copper
- ✓ nickel plated copper
- ✓ nickel
- ✓ nickel pure
- ✓ compensating cable alloys

Insulation and Jacketing Materials:

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

Conductors:

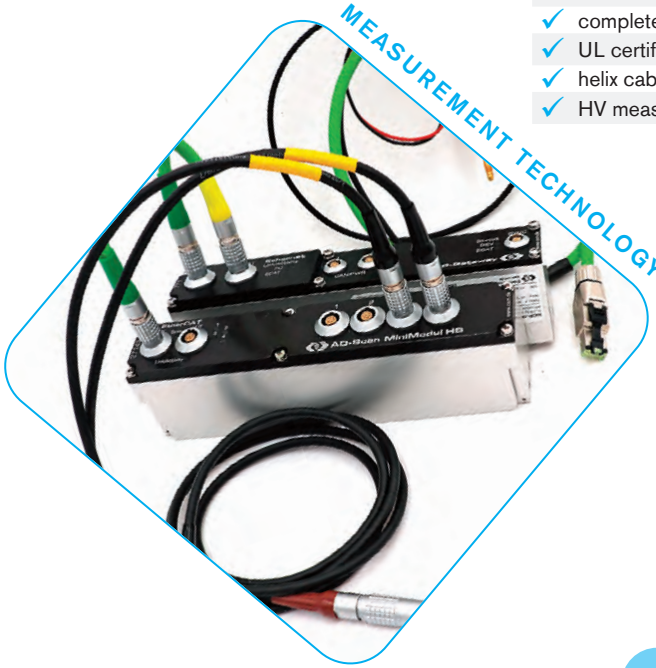
- ✓ cross sections 0.055 - 300 mm²
- ✓ unshielded and shielded over 100 conductors



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

Cord Grips & Accessories

Secure & Protect your Cable

Liquid tight seal, fast and easy installation, wide clamping range, multi-purpose applications, easy handling.

Technical data:

Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	
permanent:	-20°C to +100°C
intermittent:	-30°C to +150°C
Flammability:	V2 (according to UL 94)

CG 100 POLYAMIDE CORD GRIPS

Dome cap, black or gray available in NPT, PG, or metric thread

Liquid tight seal, fast and easy installation, wide clamping range, multi-purpose applications, easy handling.

CG 200 POLYAMIDE CORD GRIPS

Flex cap, black or gray available in NPT, PG, or metric thread

Strain relief gland offers maximum protection against conductor fatigue caused by flexing cables

CG 300 NICKEL PLATED BRASS CORD GRIPS

Available in NPT, PG, or metric thread

Impact resistant, suitable for industrial applications, water tight, corrosion resistant.

CG 350 STAINLESS STEEL CORD GRIPS

Available in NPT, PG, or metric thread and SS 303 or SS 316

Impact resistant, suitable for industrial applications, water tight, corrosion resistant.

EMC-2 GROUNDING CORD GRIPS

Nickel plated brass EMC cable gland available in NPT, PG, or metric thread

EMC-2 is a nickel plated brass strain relief with integral grounding springs in the gland.

Features:

- One Direction Installation
- Affordable
- Nickel Plated Brass with Tinned Copper Springs

EMC-4 GROUNDING CORD GRIPS

Nickel plated brass, EMC cable gland, vibration proof, available in NPT, PG, or metric thread

EMC-4 is a nickel plated brass strain relief with integral grounding springs in the gland that will allow the cable to move without damage to the shield.

Features:

- Bi-directional Installation
- Great Anti-Vibration Mechanisms
- Nickel Plated Brass with Tinned Copper Springs

Accessories & Fittings

Enlargers	Reducers	Hole Plugs		Multi-Hole Bushing	Vent Gland & Plugs			Locknuts	
									

SPECIAL CABLES

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March 2025