CABLES
FOR CRANE AND CONVEYOR APPLICATIONS

75 Years

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SPECIAL CABLES
SAB North America

About Us

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 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

In dockside container handling and crane systems, cables are needed that can withstand rough motion and high mechanical stress. SAB cables for crane and conveyor applications include festoon and spreader cables which are suitable for flexible applications. Festoon cables are applied in applications with high mechanical stress, particularly suitable for use in cable roller assemblies. Spreader cables are used in cable carriers and can also be used in vertical cage /basket applications. SAB's product range includes crane cables that have very good tensile strength, tear resistance and excellent abrasion and notch resistance. Our cables can also have lead cores twisted with the conductor for high wind applications.

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

Cables for Crane and Conveyor Applications

Spreader 722

PUR control cable for basket operation, 300/500 V

Marking for Spreader 722 7224225:
SAB BRÖCKSKES · D-VIERSEN · Spreader 722 42 G 2.5 mm²

Application: The Spreader 722 is used for load-lift equipment, e.g. spreader with high mechanical stress in gravity-fed vertical basket operation.

Construction:

Conductor:	bare copper strands
Insulation:	PVC
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green/yellow ground
Suspension unit	Armid braided with lead, 50 m of the suspended cable are supported by a 5 times safety calculation
Stranding:	conductors are twisted to bundles with lead cord in the center
Wrapping:	overlapping non-woven tape
Stranding	bundle and lead cords twisted, suspension unit in the center
Wrapping:	overlapping non-woven tape
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:

- **for basket applications**
- **high tensile load of supporting unit**
- **oil resistant**
- **weather resistant**

Technical data:

Nominal voltage:	Uo/U 300/500V
Testing voltage:	conductor/conductor: 2000 V
Temperature range:	
fixed installation:	-20/+60°C
flexible	-20/+60°C
max. allowed operating temperature at conductor:	+70°C
short circuit temperature at conductor:	+150°C
Tensile strength:	max. 15 N/mm^2 x sum of all cable sections
Recommended cage dimensions:	cage diameter min. 30 x O.D. cage height approx. 45 x O.D.
Travel speed hoisting gear:	max. 160m/min.
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Approvals:	EAC
Weather resistance:	appropriate for applications in dry, damp, and wet rooms as well as in the open-air with a very good resistance against ozone, UV radiation and humidity
	Due to the lead cord, this cable isn't free of harmful substances acc. to RoHS directive of the European Union

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ **18 AWG (≈ 56/34) ▪ 1.00 mm²**				
7224810	48	1.264	32.1	1311
▶ **14 AWG (≈ 140/34) ▪ 2.50 mm²**				
7222425	24	1.169	29.7	1115
7223025	30	1.295	32.9	1355
7223625	36	1.425	36.2	1725
7224225	42	1.543	39.2	2135
7224825	48	1.650	41.9	2389
▶ **12 AWG (≈ 70/24) ▪ 3.50 mm²**				
7222035	20	1.217	30.9	1157
7222435	24	1.307	33.2	1393
7223035	30	1.457	37.0	1723
7223635	36	1.583	40.2	2162

Other dimensions and colors are available on request

Festoon 715 P

PUR cable for flexible application in festoon systems, 0.6/1 kV

CE EAC RoHS

Marking for Festoon 715 P 7150162:
SAB BRÖCKSKES · D-VIERSEN · Festoon 715 P 1x16.0 mm² CE *and current meter marking*

Marking for Festoon 715 P 7151825:
SAB BRÖCKSKES · D-VIERSEN · Festoon 715 P 18 G 2.5 mm² CE *and current meter marking*

Application: The Festoon 715 P cable is designed for high mechanical stress. It is particularly suitable for use in cable roller assemblies.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	TPE
Color code:	single conductor black; from 2 conductors: colored acc. to HD 308 (VDE 0293-308), see below from 6 conductors: black with consecutive numbers acc. to EN 50334 + VDE 0293-334; from 3 conductors a green/yellow ground
Stranding:	specially adjusted layering with a suspension unit (single conductor cables without a suspension unit)
Wrapping:	non-woven tape
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:

- **halogen-free**
- **high abrasion resistance**
- **small outer diameter**
- **path feed rate in cable roller assemblies up to 240 m/min.**

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V
Min. bending radius:	6 x O.D.
Continuous tensile load:	max. 15 n/mm2 acc. to DIN VDE 0298 part 3 section 7.1
Temperature range: *static:* *flexible:*	 -50/+90°C -40/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Continuous flexibility:	very good
Weather resistance:	very good
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

HD 308 color code:
1c: nature
3c: green/yellow - blue - brown
4c: green/yellow - brown - black - gray
5c: green/yellow - blue - brown - black - gray

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ **16 AWG (≈ 27-29/30) • 1.50 mm²**				
7150315	3	0.287	7.3	51
7150415	4	0.311	7.9	63
7150515	5	0.346	8.8	79
7150715	7	0.409	10.4	112
7151215	12	0.492	12.5	165
7151815	18	0.594	15.1	247
7152415	24	0.689	17.5	343
7153015	30	0.736	18.7	398
▶ **14 AWG (≈ 46/38) • 2.50 mm²**				
7150325	3	0.319	8.1	71
7150425	4	0.346	8.8	90
7150525	5	0.398	10.1	114
7150725	7	0.472	12.0	163
7151225	12	0.571	14.5	247
7151825	18	0.681	17.3	365
7152425	24	0.795	20.2	536
7153025	30	0.843	21.4	579
▶ **12 AWG (≈ 52/28) • 4.00 mm²**				
7150440	4	0.421	10.7	138

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ **10 AWG (≈ 78/28) • 6.00 mm²**				
7150460	4	0.476	12.1	193
▶ **8 AWG (≈ 77/26) • 10.00 mm²**				
7150361	3	0.563	14.3	256
7150461	4	0.622	15.8	331
7150561	5	0.681	17.3	406
▶ **6 AWG (≈ 122/26) • 16.00 mm²**				
7150162	1	0.343	8.7	120
7150362	3	0.689	17.5	379
7150462	4	0.752	19.1	507
7150562	5	0.858	21.8	633
▶ **4 AWG (≈ 190/26) • 25.00 mm²**				
7150163	1	0.398	10.1	177
7150463	4	0.933	23.7	763
7150563	5	1.035	26.3	953
▶ **2 AWG (≈ 272/26) • 35.00 mm²**				
7150164	1	0.476	12.1	253
7150464	4	1.091	27.7	1069

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ **1 AWG (≈ 400/26) • 50.00 mm²**				
7150165	1	0.531	13.5	358
7150465	4	1.240	31.5	1520
▶ **2/0 AWG (≈ 543/26) • 70.00 mm²**				
7150166	1	0.630	16.0	482
▶ **3/0 AWG (≈ 484/24) • 95.00 mm²**				
7150167	1	0.744	18.9	665
▶ **4/0 AWG (≈ 589/24) • 120.00 mm²**				
7150168	1	0.819	20.8	808
▶ **250 MCM (≈ 740/24) • 150.00 mm²**				
7150169	1	0.894	22.7	1008
▶ **350 MCM (≈ 902/24) • 185.00 mm²**				
7150170	1	0.976	24.8	1222
▶ **450 MCM (≈ 1220/24) • 240.00 mm²**				
7150171	1	1.122	28.5	1635
▶ **1 AWG (≈ 400/26) x 8 AWG (≈ 77/26) 50.00 mm² * 10.00 mm²**				
715....	3 + 3	1.102	28.0	1728

Festoon 716 CP

Shielded PUR cable for flexible application in festoon systems, 0.6/1 kV

Marking for Festoon 716 CP 7160162:
SAB BRÖCKSKES · D-VIERSEN · Festoon 716 CP 1x25.0 mm² CE *and current meter marking*

Marking for Festoon 716 CP 7161825:
SAB BRÖCKSKES · D-VIERSEN · Festoon 716 CP 18 G 2.5 mm² CE *and current meter marking*

Application: The Festoon 716 CP cable is designed for high mechanical stress. It is particularly suitable for use in cable roller assemblies. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	TPE
Color code:	single conductor black; from 2 conductors: colored acc. to HD 308 (VDE 0293-308), see below from 6 conductors: black with consecutive numbers acc. to EN 50334 + VDE 0293-334; from 3 conductors a green/yellow ground
Stranding:	specially adjusted layering with a suspension unit (single conductor cables without a suspension unit)
Wrapping:	non-woven tape
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:

- **very good EMC characteristics**
- **halogen-free**
- **high abrasion resistance**
- **small outer diameter**
- **path feed rate in cable roller assemblies up to 240 m/min.**

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V conductor/shielding: 4000 V
Min. bending radius:	7.5 x O.D.
Continuous tensile load:	max. 15 n/mm2 acc. to DIN VDE 0298 part 3 section 7.1
Temperature range: *static:* *flexible:*	 -50/+90°C -40/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Continuous flexibility:	very good
Weather resistance:	very good
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
► **16 AWG (≈ 27-29/30) • 1.50 mm²**				
7160215	2	0.295	7.5	54
7160715	7	0.441	11.2	136
7161215	12	0.524	13.3	192
7161815	18	0.642	16.3	298
► **14 AWG (≈ 46/30) • 2.50 mm²**				
7160425	4	0.402	10.2	119
7160525	5	0.437	11.1	138
7161225	12	0.618	15.7	285
7161825	18	0.748	19.0	432
► **12 AWG (≈ 52/28) • 4.00 mm²**				
7160440	4	0.476	12.1	174

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
► **10 AWG (≈ 78/28) • 6.00 mm²**				
7160460	4	0.559	14.2	246
► **8 AWG (≈ 77/26) • 10.00 mm²**				
7160461	4	0.697	17.7	403
► **6 AWG (≈ 122/26) • 16.00 mm²**				
7160462	4	0.866	22.0	607
► **4 AWG (≈ 190/26) • 25.00 mm²**				
7160163	1	0.433	11.0	206
7160463	4	1.016	25.8	875
► **2 AWG (≈ 272/26) • 35.00 mm²**				
7160464	4	1.173	29.8	1203

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
► **1 AWG (≈ 400/26) • 50.00 mm²**				
7160165	1	0.575	14.6	408
7160465	4	1.315	33.4	1653
► **2/0 AWG (≈ 543/26) • 70.00 mm²**				
7160166	1	0.673	17.1	539
► **3/0 AWG (≈ 484/24) • 95.00 mm²**				
7160167	1	0.787	20.0	736
► **4/0 AWG (≈ 589/24) • 120.00 mm²**				
7160168	1	0.862	21.9	881

Other dimensions and colors are available on request

HD 308 color code:
1c: nature; 2c: blue - brown; 4c: green/yellow - brown - black - gray; 5c: green/yellow - blue - brown - black - gray

DR 717 P Highflex

PUR reeling cable, 300/500 V

Marking for DR 717 P Highflex 7170425:
SAB BRÖCKSKES · D-VIERSEN · DR 717 P Highflex 4 G 2.5 mm² CE

Application: The DR 717 P Highflex is used for spring cables reels on stages and theaters.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	colored acc. to HD 308 (VDE 0293-308), see below from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors a green/yellow ground *DMX-bus:* white/brown, green/yellow *IE Cat 5:* white-blue/blue, white-orange/orange, white-green/green, white-brown/brown
Stranding:	specially adjusted layering around a central suspension unit
Inner jacket:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Supporting screen:	high-tech yarn
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:

- **reeling length up to 60 m**
- **extremely high winding and unwinding strength**
- **corresponds to low voltage guideline 73/23/EWG CE**
- **small outer diameter**
- **lighter cable weight**

Technical data:

Peak operating voltage:	**item no. 07179001:** max. 500 V (DMX-bus) **item no. 07179002:** max. 125 V (IE Cat 5)
Nominal voltage:	Uo/U 300/500 V (supply conductors)
Testing voltage:	conductor/conductor: 2000 V
Current-carrying capacity:	acc. to VDE 0298-4, see chapter O/20 & 21
Min. bending radius: *for laying and installation (fixed installation):* *for repeated winding action (flexible):* *guided on pulleys (flexible):*	≤ 12 mm: 3 x O.D. >12 mm: 4 x O.D. 6 x O.D. 7.5 x O.D.

Temperature range:		**item no. 07179001**	**item no. 07179002**
with installation:			0/+50°C
static:	-50/+90°C	-40/+70°C	-20/+60°C
flexible:	-40/+90°C	-40/+70°C	-20/+60°C

Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Sunlight resistance:	very good - enhanced due to black jacket color
Tensile strength:	with reference to VDE 0298-3 section 7.1
Mechanical characteristics:	the main mechanical characteristics accomplished by the PUR outer jacket are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft	tensile strength max. N	min breaking load of suspension unit N
▶ 7170425	14 AWG (≈ 46/30) / 4c	0.382	9.7	96	150	1345
▶ 7170440	12 AWG (≈ 52/28) / 4c	0.461	11.7	154	240	1690
▶ 7171440	12 AWG (≈ 52/28) / 14c	0.823	20.9	538	840	3200
▶ 7172040	12 AWG (≈ 52/28) / 20c	0.917	23.3	768	1200	3700
▶ 7172540	12 AWG (≈ 52/28) / 25c	1.114	28.3	960	1500	4200
▶ 7170460	10 AWG (≈ 78/28) / 4c	0.528	13.4	230	360	1860
▶ 7171360	10 AWG (≈ 78/28) / 13c	0.957	24.3	749	1170	3400
▶ 7171860	10 AWG (≈ 78/28) / 18c	1.012	25.7	1037	1620	6000
▶ 7170470	8 AWG (≈ 77/26) / 4c	0.673	17.1	384	600	2300
▶ 7170480	6 AWG (≈ 122/26) / 4c	0.839	21.3	614	960	2800
▶ 7179001	12 AWG (≈ 52/28) / 14c + 24 AWG (≈ 14/34) / 2pr	0.882	22.4	575	840	2500
▶ 7179002	6 AWG (≈ 122/26) / 5c + 26 AWG (≈ 18/38) / 4pr	1.039	26.4	792	1200	3000
▶ 7179013	12 AWG (≈ 52/28) / 25c	0.984 1.102	min. 25.0 max. 28.0	960	1500	2600

Other dimensions and colors are available on request
Please mention the required winding length when placing the order.

HD 308 color code:
4c: green/yellow - brown - black - gray
5c: green/yellow - blue - brown - black - gray

● **Please pay attention to the installation instructions on page 14**

DR 718 CP Highflex

PUR shielded reeling cable, 300/500 V

Marking for DR 718 CP Highflex 7180425:
SAB BRÖCKSKES · D-VIERSEN · DR 718 CP Highflex 4 x 2.5 mm² CE

Application: The DR 718 CP Highflex is shielded and is used for spring loaded cable reels on stages in theaters as well as control cable in crane arms.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	colored acc. to HD 308 (VDE 0293-308), see below from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors a green/yellow ground
Stranding:	specially adjusted layering around a central suspension unit
Inner jacket:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Shielding:	tinned copper braiding
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:

- **extremely high winding and unwinding strength**
- **lighter cable weight**
- **good EMC characteristics**

Also possible without inner jacket

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	conductor/conductor: 2000 V conductor/shielding: 2000 V
Current-carrying capacity:	acc. to VDE 0298-4, see chapter O/20 & 21
Min. bending radius: *for laying and installation (fixed installation):* *for repeated winding action (flexible):* *guided on pulleys (flexible):*	 5 x O.D. 7.5 x O.D. 10 x O.D.
Temperature range: *static:* *flexible:*	 -50/+90°C -40/+90°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
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Sunlight resistance:	very good - enhanced due to black jacket color
Tensile strength:	with reference to VDE 0298-3 section 7.1
Mechanical characteristics:	the main mechanical characteristics accomplished by the PUR outer jacket are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft	tensile strength max. N	min breaking load of suspension unit N
▶ 7182005	20 AWG (≈ 16/32) / 20c	0.504	12.8	173	150	1600
▶ 7182505	20 AWG (≈ 16/32) / 25c	0.587	14.9	222	187	1700
▶ 7182507	19 AWG (≈ 23/32) / 25c	0.665	16.9	297	281	2000
▶ 7180410	18 AWG (≈ 30/32) / 4c	0.315	8.0	69	60	1100
▶ 7181210	18 AWG (≈ 30/32) / 12c	0.591	15.0	213	180	2000
▶ 7181810	18 AWG (≈ 30/32) / 18c	0.571	14.5	234	270	2200
▶ 7182510	18 AWG (≈ 30/32) / 25c	0.701	17.8	351	375	2400
▶ 7182610	18 AWG (≈ 30/32) / 26c	0.701	17.8	358	390	2400
▶ 7180415	16 AWG (≈ 27-29/30) / 4c	0.350	8.9	89	90	1340
▶ 7180515	16 AWG (≈ 27-29/30) / 5c	0.402	10.2	118	112	1690
▶ 7180715	16 AWG (≈ 27-29/30) / 7c	0.469	11.9	159	157	2150
▶ 7181215	16 AWG (≈ 27-29/30) / 12c	0.665	16.9	282	270	2600
▶ 7181415	16 AWG (≈ 27-29/30) / 14c	0.642	16.3	295	315	2600
▶ 7181615	16 AWG (≈ 27-29/30) / 16c	0.642	16.3	303	360	2600
▶ 7181815	16 AWG (≈ 27-29/30) / 18c	0.646	16.4	325	405	2600
▶ 7182415	16 AWG (≈ 27-29/30) / 24c	0.717	18.2	415	540	2800
▶ 7183015	16 AWG (≈ 27-29/30) / 30c	0.921	23.4	565	675	2900
▶ 7183715	16 AWG (≈ 27-29/30) / 37c	0.874	22.2	600	832	3200
▶ 7180425	14 AWG (≈ 46/30) / 4c	0.425	10.8	135	150	1345
▶ 7180525	14 AWG (≈ 46/30) / 5c	0.469	11.9	167	187	2100
▶ 7180725	14 AWG (≈ 46/30) / 7c	0.539	13.7	223	262	2500

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft	tensile strength max. N	min breaking load of suspension unit N
▶ 7181225	14 AWG (≈ 46/30) / 12c	0.783	19.9	410	450	2900
▶ 7181825	14 AWG (≈ 46/30) / 18c	0.768	19.5	476	675	3450
▶ 7182425	14 AWG (≈ 46/30) / 24c	0.929	23.6	638	900	2600
▶ 7183025	14 AWG (≈ 46/30) / 30c	1.055	26.8	798	1125	4200
▶ 7183625	14 AWG (≈ 46/30) / 36c	1.028	26.1	860	1350	5000
▶ 7184825	14 AWG (≈ 46/30) / 48c	1.209	30.7	1160	1800	6500
▶ 7185625	14 AWG (≈ 46/30) / 56c	1.283	32.6	1283	2100	7900
▶ 7180440	12 AWG (≈ 52/28) / 4c	0.484	12.3	191	240	1690
▶ 7180540	12 AWG (≈ 52/28) / 5c	0.539	13.7	232	300	2200
▶ 7180740	12 AWG (≈ 52/28) / 7c	0.642	16.3	336	420	2600
▶ 7180460	10 AWG (≈ 78/28) / 4c	0.539	13.7	261	360	1860
▶ 7180560	10 AWG (≈ 78/28) / 5c	0.618	15.7	331	450	2300
▶ 7180760	10 AWG (≈ 78/28) / 7c	0.744	18.9	464	630	2600
▶ 7180470	8 AWG (≈ 77/26) / 4c	0.713	18.1	441	600	2900
▶ 7180570	8 AWG (≈ 77/26) / 5c	0.799	20.3	543	750	3000
▶ 7180480	6 AWG (≈ 122/26) / 4c	0.878	22.3	662	960	2800
▶ 7180580	6 AWG (≈ 122/26) / 5c	0.980	24.9	811	1200	3000
▶ 7180490	4 AWG (≈ 190/26) / 4c	1.063	27.0	972	1500	3300
▶ 7180495	2 AWG (≈ 272/26) / 4c	1.213	30.8	1324	2100	3300
▶ 7180496	1 AWG (≈ 400/26) /4c	1.390	35.3	1855	3000	3800

Other dimensions and colors are available on request
Please mention the required winding length when placing the order.

HD 308 color code:
4c: green/yellow - brown - black - gray;
5c: green/yellow - blue - brown - black - gray

Please pay attention to the installation instructions on page 14

DR 721 P

Reeling cable for higher mechanical stress, 0.6/1 kV

Marking for DR 721 P 7210425:
SAB BRÖCKSKES · D-VIERSEN · DR 721 P 4 G 2.5 mm² CE

Application: The DR 721 P is used for spring cable and motor cable reels, hoists, transport systems and farm vehicles with medium mechanical stress.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	colored acc. to HD 308 (VDE 0293-308), see below from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors a green/yellow ground
Stranding:	specially adjusted layering
Inner jacket:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Supporting screen:	high-tech yarn
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:

- **high winding and unwinding strength**
- **small outer diameter**
- **lighter cable weight**
- **correspond to low voltage guideline 73/23/EWG CE**

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V
Current-carrying capacity:	acc. to VDE 0298-4, see chapter O 20 & 21
Min. bending radius: *for laying and installation (fixed installation):* *for repeated winding action (flexible):* *guided on pulleys (flexible):*	 6 x O.D. 10 x O.D. 12 x O.D.
Temperature range: *static:* *flexible:*	 -50/+90°C -40/+90°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Weather resistance:	very good
Sunlight resistance:	very good - enhanced due to black jacket color
Tensile strength:	with reference to VDE 0298-3 section 7.1
Mechanical characteristics:	the main mechanical characteristics accomplished by the PUR outer jacket are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
► 7210415	16 AWG (≈ 27-29/30) / 4c	0.346	8.8	78
► 7210515	16 AWG (≈ 27-29/30) / 5c	0.378	9.6	94
► 7210715	16 AWG (≈ 27-29/30) / 7c	0.461	11.7	136
► 7211215	16 AWG (≈ 27-29/30) / 12c	0.646	16.4	228
► 7211815	16 AWG (≈ 27-29/30) / 18c	0.642	16.3	287
► 7212415	16 AWG (≈ 27-29/30) / 24c	0.772	19.6	384
► 7213615	16 AWG (≈ 27-29/30) / 36c	0.870	22.1	536
► 7210425	14 AWG (≈ 46/30) / 4c	0.402	10.2	113
► 7210525	14 AWG (≈ 46/30) / 5c	0.441	11.2	138
► 7210725	14 AWG (≈ 46/30) / 7c	0.535	13.6	200
► 7211225	14 AWG (≈ 46/30) / 12c	0.764	19.4	341
► 7211825	14 AWG (≈ 46/30) / 18c	0.764	19.4	426
► 7212425	14 AWG (≈ 46/30) / 24c	0.929	23.6	574
► 7213625	14 AWG (≈ 46/30) / 36c	1.039	26.4	804

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
► 7210440	12 AWG (≈ 52/28) / 4c	0.488	12.4	172
► 7210460	10 AWG (≈ 78/28) / 4c	0.567	14.4	244
► 7210560	10 AWG (≈ 78/28) / 5c	0.614	15.6	294
► 7210470	8 AWG (≈ 77/26) / 4c	0.705	17.9	393
► 7210480	6 AWG (≈ 122/26) / 4c	0.882	22.4	608
► 7210580	6 AWG (≈ 122/26) / 5c	0.984	25.0	760
► 7210390	4 AWG (≈ 190/26) / 3c + 10 AWG (≈ 78/28) / 3c	0.953	24.2	791
► 7210395	2 AWG (≈ 272/26) / 3c + 10 AWG (≈ 78/28) / 3c	1.102	28.0	1054
► 7210396	1 AWG (≈ 400/26) / 3c + 8 AWG (≈ 77/26) / 3c	1.252	31.8	1511

Other dimensions and colors are available on request
Please mention the required winding length when placing the order.

HD 308 color code:
4c: green/yellow - brown - black - gray;
5c: green/yellow - blue - brown - black - gray

Please pay attention to the installation instructions on page 14

DR 720 P Highflex

PUR reeling cable, 0.6/1 kV

Marking for DR 720 P Highflex 7200425:
SAB BRÖCKSKES · D-VIERSEN · DR 720 P Highflex 4 G 2.5 mm² CE

Application: The DR 720 P Highflex is used for heavy applications, for example, motor cable reels hoists, transport systems, movable motors and farm vehicles with high mechanical stress.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	colored acc. to HD 308 (VDE 0293-308), see below from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors a green/yellow ground
Stranding:	specially adjusted layering around central suspension unit
Inner jacket:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Supporting screen:	high-tech yarn
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:

- **path feed rate up to 120 m/min.**
- **extremely high winding and unwinding strength**
- **small outer diameter**
- **lighter cable weight**
- **correspond to low voltage guideline 73/23/EWG CE**

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V
Current-carrying capacity:	acc. to VDE 0298-4, see chapter O/20 & 21
Min. bending radius: *for laying and installation (fixed installation):* *for repeated winding action (flexible):* *guided on pulleys (flexible):*	 ≤ 12 mm: 3 x O.D. >12 mm: 4 x O.D. 6 x O.D. 7.5 x O.D.
Temperature range: *static:* *flexible:*	 -50/+90°C -40/+90°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
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Weather resistance:	very good
Sunlight resistance:	very good - enhanced due to black jacket color
Tensile strength:	acc. to VDE 0298-3 section 7.1
Mechanical characteristics:	the main mechanical characteristics accomplished by the PUR outer jacket are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft	min breaking load of suspension unit N
▶ 7200415	16 AWG (≈ 27-29/30) / 4c	0.354	9.0	80	1340
▶ 7200515	16 AWG (≈ 27-29/30) / 5c	0.386	9.8	95	1690
▶ 7200715	16 AWG (≈ 27-29/30) / 7c	0.465	11.8	137	2150
▶ 7201215	16 AWG (≈ 27-29/30) / 12c	0.654	16.6	241	2600
▶ 7201815	16 AWG (≈ 27-29/30) / 18c	0.646	16.4	289	2600
▶ 7200425	14 AWG (≈ 46/30) / 4c	0.409	10.4	114	1345
▶ 7200525	14 AWG (≈ 46/30) / 5c	0.457	11.6	143	2100
▶ 7200725	14 AWG (≈ 46/30) / 7c	0.543	13.8	201	2500
▶ 7201225	14 AWG (≈ 46/30) / 12c	0.772	19.6	357	2900
▶ 7201825	14 AWG (≈ 46/30) / 18c	0.776	19.7	431	3450
▶ 7202425	14 AWG (≈ 46/30) / 24c	0.937	23.8	591	2700
▶ 7203025	14 AWG (≈ 46/30) / 30c	1.047	26.6	738	4200
▶ 7205025	14 AWG (≈ 46/30) / 50c	1.276	32.4	1168	6750

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft	min breaking load of suspension unit N
▶ 7200440	12 AWG (≈ 52/28) / 4c	0.488	12.4	171	1690
▶ 7201240	12 AWG (≈ 52/28) / 12c	0.945	24.0	561	5000
▶ 7200460	10 AWG (≈ 78/28) / 4c	0.583	14.8	248	1860
▶ 7200470	8 AWG (≈ 77/26) / 4c	0.717	18.2	398	2300
▶ 7200480	6 AWG (≈ 122/26) / 4c	0.894	22.7	615	2800
▶ 7200390	4 AWG (≈ 190/26) / 3c + 10 AWG (≈ 78/28) / 3c	0.957	24.3	798	3300
▶ 7200490	4 AWG (≈ 190/26 / 4	1.059	26.9	908	3300
▶ 7200395	2 AWG (≈ 272/26) / 3c + 10 AWG (≈ 78/28) / 3c	1.106	28.1	1060	3300
▶ 7200495	2 AWG (≈ 272/26) / 4	1.240	31.5	1272	3300
▶ 7200396	1 AWG (≈ 400/26) / 3c + 8 AWG (≈ 77/26) / 3c	1.256	31.9	1521	3800

Other dimensions and colors are available on request
Please mention the required winding length when placing the order.

HD 308 color code:
4c: green/yellow - brown - black - gray
5c: green/yellow - blue - brown - black - gray

Please pay attention to the installation instructions on page 14

DR 730 P Highflex

PUR reeling cable for higher mechanical stress with UL/cUL recognition, 0.6/1 kV

Marking for DR 730 P Highflex 7300425:
SAB BRÖCKSKES · D-VIERSEN · DR 730 P Highflex 4 G 2.5 mm² AWM Style 21897 80°C c AWM I/II A/B 80°C 600V FT1 FT2 CE

Application: The DR 730 P Highflex is a UL AWM approved polyurethane cable. It is used for heavy applications, for example, motor cable reels hoists, transport systems, movable motors and farm vehicles with high mechanical stress.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	colored acc. to HD 308 (VDE 0293-308), see below from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors a green/yellow ground
Stranding:	specially adjusted layering around central suspension unit
Inner jacket:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Supporting screen:	high-tech yarn
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:

- **UL recognized - Style 21897**
- **cUL recognized**
- **path feed rate up to 120 m/min.**
- **extremely high winding and unwinding strength**
- **small outer diameter**
- **small cable weight**
- **correspond to low voltage guideline 73/23/EWG CE**

Hybrid cable on request

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Voltage UL:	1000 V
Voltage cUL:	600 V
Testing voltage:	conductor/conductor: 4000 V
Current-carrying capacity:	acc. to VDE 0298-4, see chapter O/20 & 21
Min. bending radius: *for laying and installation (fixed installation):* *for repeated winding action (flexible):* *guided on pulleys (flexible):*	 ≤ 12 mm: 3 x O.D. >12 mm: 4 x O.D. 6 x O.D. 7.5 x O.D.
Temperature range: *static:* *flexible:*	**DIN VDE** **UL/cUL:** up to +80°C -50/+90°C -40/+90°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 cUL FT1 FT2
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Weather resistance:	very good
Sunlight resistance:	very good - enhanced due to black jacket color
Tensile strength:	acc. to VDE 0298-3 section 7.1
Mechanical characteristics:	the main mechanical characteristics accomplished by the PUR outer jacket are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance
Approvals:	UR AWM, cUR AWM, CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft	min breaking load of suspension unit N
► 7300415	16 AWG (≈ 27-29/30) / 4c	0.402	10.2	98	1340
► 7300515	16 AWG (≈ 27-29/30) / 5c	0.433	11.0	114	1340
► 7300715	16 AWG (≈ 27-29/30) / 7c	0.492	12.5	151	1690
► 7301215	16 AWG (≈ 27-29/30) / 12c	0.665	16.9	256	2150
► 7301815	16 AWG (≈ 27-29/30) / 18c	0.673	17.1	306	2600
► 7300425	14 AWG (≈ 46/30) / 4c	0.445	11.3	130	2600
► 7300525	14 AWG (≈ 46/30) / 5c	0.484	12.3	154	1345
► 7300725	14 AWG (≈ 46/30) / 7c	0.551	14.0	207	2100
► 7301225	14 AWG (≈ 46/30) / 12c	0.772	19.6	368	2500
► 7301825	14 AWG (≈ 46/30) / 18c	0.772	19.6	437	2900
► 7302425	14 AWG (≈ 46/30) / 24c	0.941	23.9	599	3450
► 7303625	14 AWG (≈ 46/30) / 36c	1.059	26.9	822	2700

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft	min breaking load of suspension unit N
► 7300440	12 AWG (≈ 52/28) / 4c	0.508	12.9	181	4200
► 7301240	12 AWG (≈ 52/28) / 12c	0.945	24.0	561	1690
► 7300460	10 AWG (≈ 78/28) / 4c	0.579	14.7	249	5000
► 7300470	8 AWG (≈ 77/26) / 4c	0.709	18.0	409	1860
► 7300480	6 AWG (≈ 122/26) / 4c	0.929	23.6	661	2300
► 7300390	4 AWG (≈ 190/26) / 3c + 10 AWG (≈ 78/28) / 3c	0.984	25.0	836	2800
► 7300395	2 AWG (≈ 272/26) / 3c + 10 AWG (≈ 78/28) / 3c	1.114	28.3	1088	3300
► 7300495	2 AWG (≈ 272/26) / 4c	1.240	31.5	1272	3300

Other dimensions and colors are available on request
Please mention the required winding length when placing the order.

HD 308 color code:
4c: green/yellow - brown - black - gray
5c: green/yellow - blue - brown - black - gray

Please pay attention to the installation instructions on page 14

DR 750 P Offshore

PUR reeling cable for offshore applications, 0.6/1 kV

Marking for DR 750 P Offshore 7500425:
SAB BRÖCKSKES · D-VIERSEN · DR 750 P Offshore 4 G 2.5 mm² 0.6/1 kV CE

Application: The DR 750 P Offshore is a reeling cable for offshore areas. It is designed for spring loaded and motor driven cable reels in lifting and handling equipment on offshore platforms or ships

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	colored acc. to HD 308 (VDE 0293-308), see below from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors a green/yellow ground
Stranding:	specially adjusted layering
Inner jacket:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Supporting screen:	high-tech yarn
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005) matte

Outstanding features:

- **suitable for offshore applications**
- **extremely high winding and unwinding strength**
- **small outer diameter**
- **lighter cable weight**
- **flame retardant and self-extinguishing**
- **halogen-free**
- **asbestos-free**

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V
Min. bending radius:	
fixed installation:	5 x O.D.
flexible:	10 x O.D.
for repeated winding action (flexible):	10 x O.D.
guided on deflection pulleys (flexible):	15 x O.D.
Temperature range:	
flexible:	-40/+90°C lower temperatures on request
Halogen and fluorine content:	acc. to IEC 60754-1 + EN 60754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
MUD resistance:	very good - acc. to IEC 630092-350, IEC 61892-4, NEK TS 606
Chemical resistance:	very good against acids, alkalines, solvents, hydraulic liquids, etc.
Weather resistance:	very good
Sunlight resistance:	very good - enhanced due to black jacket color
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft	min breaking load of suspension unit N
▶ 7500210	18 AWG (≈ 56/34) / 2c	0.406	10.3	79	500
▶ 7500410	18 AWG (≈ 56/34) / 4c	0.429	10.9	94	1100
▶ 7501210	18 AWG (≈ 56/34) / 12c	0.732	18.6	275	2000
▶ 7500315	16 AWG (≈ 84/34) / 3c	0.429	10.9	97	1000
▶ 7500415	16 AWG (≈ 84/34) / 4c	0.457	11.6	112	1340
▶ 7500715	16 AWG (≈ 84/34) / 7c	0.579	14.7	183	2150
▶ 7501215	16 AWG (≈ 84/34) / 12c	0.787	20.0	343	2600
▶ 7501815	16 AWG (≈ 84/34) / 18c	0.787	20.0	351	3375
▶ 7500325	14 AWG (≈ 140/34) / 3c	0.461	11.7	122	1200
▶ 7500425	14 AWG (≈ 140/34) / 4c	0.512	13.0	148	1345

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft	min breaking load of suspension unit N
▶ 7500440	12 AWG (≈ 224/34) / 4c	0.567	14.4	199	2000
▶ 7500460	10 AWG (≈ 186/32) / 4c	0.622	15.8	262	3000
▶ 7500461	8 AWG (≈ 320/32) /4c	0.748	19.0	411	5000
▶ 7500462	6 AWG (≈ 504/32) / 4c	0.902	22.9	609	8000
▶ 7500463	4 AWG (≈ 760/32) /4c	1.063	27.0	915	12500
▶ 7500464	2 AWG (≈ 1083/32) / 4c	1.213	30.8	1212	17500
▶ 7500465	1 AWG (≈ 703/28) / 4c	1.362	34.6	1712	25000
▶ 7500466	2/0 AWG (≈ 988/28) /4c	1.622	41.2	2317	35000

Other dimensions and colors are available on request
Please mention the required winding length when placing the order.

HD 308 color code:
2c: blue - brown
3c: green/yellow -blue - brown
4c: green/yellow - brown - black - gray

Please pay attention to the installation instructions on page 14

DR 724 P Spreader

PUR reeling cable for spreader applications, 0.6/1 kV

Marking for DR 724 P Spreader 7244610:
SAB BRÖCKSKES · D-VIERSEN · DR 724 P Spreader 46 G 1.0 mm² CE

Application: The DR 724 P Spreader is for use in reeling applications with heavy duty mechanical stress e.g. in motor driven drums on container cranes.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	colored acc. to HD 308 (VDE 0293-308), from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors a green/yellow ground
Stranding:	specially adjusted layering around central Aramid suspension unit
Inner jacket:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Torsion protecting net:	Aramid
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:

- **path feed rate up to 240 m/min.**
- **high winding and unwinding strength**
- **for high mechanical stress in reeling processes**
- **flame retardant and self-extinguishing**
- **small outer diameter**
- **lighter cable weight**

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V
Current-carrying capacity:	acc. to VDE 0298-4, see chapter O/20 & 21
Min. bending radius: *for laying and installation (fixed installation):* *for repeated winding action (flexible):* *guided on pulleys (flexible):*	 5 x O.D. 7.5 x O.D. 10 x O.D.
Temperature range: *static:* *flexible:*	 -50/+90°C -40/+90°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
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Weather resistance:	very good
Sunlight resistance:	very good - enhanced due to black jacket color
Tensile strength:	acc. to VDE 0298-3 section 7.1
Mechanical characteristics:	the main mechanical characteristics accomplished by the PUR outer jacket are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft	min breaking load of suspension unit N
▶ 7244610	18 AWG (≈ 30/32) / 46c	1.110	28.2	667	25
▶ 7244910	18 AWG (≈ 30/32) / 49c	1.209	30.7	759	25
▶ 7242425	14 AWG (≈ 46/30) / 24c	0.957	24.3	610	25
▶ 7243025	14 AWG (≈ 46/30) / 30c	1.106	28.1	806	25
▶ 7243625	14 AWG (≈ 46/30) / 36c	1.280	32.5	990	25
▶ 7244225	14 AWG (≈ 46/30) / 42c	1.409	35.8	1189	25
▶ 7244425	14 AWG (≈ 46/30) / 44c	1.457	37.0	1261	25
▶ 7245625	14 AWG (≈ 46/30) / 56c	1.799	45.7	1791	25

Other dimensions and colors are available on request
Please mention the required winding length when placing the order.

Please pay attention to the installation instructions on page 14

Guidelines for installing reeling cables

The trouble-free and long service life of reeling cables requires the adherence to certain installation guidelines

The cable shall be wound directly from the supplied drum to the reeling drum. The complete unwinding of the cable isn't necessary. A straight torsion-free guiding has to be observed. Equally the cable has to be fixed and connected torsion-free. The indicated min. bending radius has to be adhered to.

In case of complete extension of the cable at least 2 windings shall remain on the reeling drum. For fixing the other cable end Kellem grips or large surface clamp connections can be used.

The installation of reeling cables has to be done carefully. They have to be protected against external damage during installation and operation.

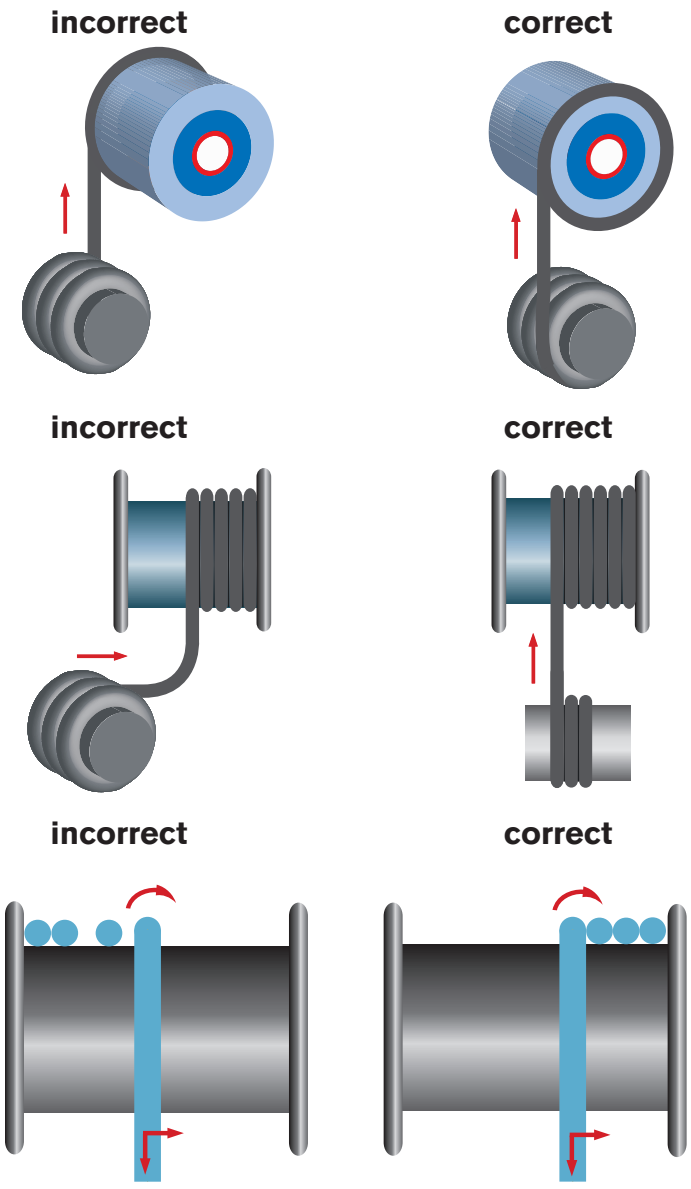
The start of winding of reeling cables on cylinder drums shall be made in stranding direction. Cables with right stranding direction (Z-lay) shall be operated to the right side and vice versa. If the stranding direction isn't known, please contact our technical support for any information.

Without special notice in our catalog, the tensile stress of the copper conductors shall not exceed 15 N/mm² (DIN VDE 0298 part 3). In case of higher tensile stress, we recommend to contact our technical support to align the cable construction to the requirements. The max. allowed limit deviations of the tensile stress are to be understood as the sum of the static and dynamic stress.

Reeling cables are generally not appropriate for torsion stress. During operation, however, torsion stress can't be avoided. As a consequence the exceeding of the limit values (generally >± 25°/m) lead to a considerable reduction of service life.

In case of undercutting the smallest allowed min. bending radius, the service life of the cable is reduced.

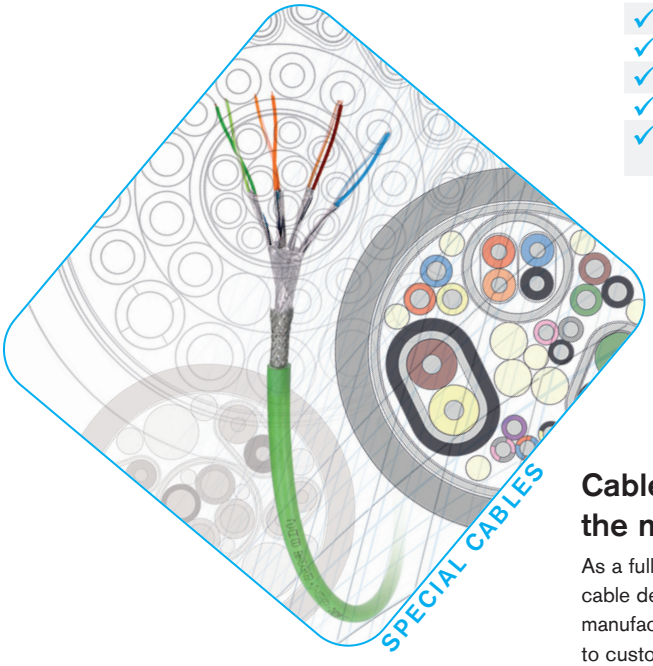
You will find further information to this subject under "Guidelines for the laying of cables in cable tracks" (page O/12) as well as "Installation instructions of lift control cables" (page O/14).



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 offers 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

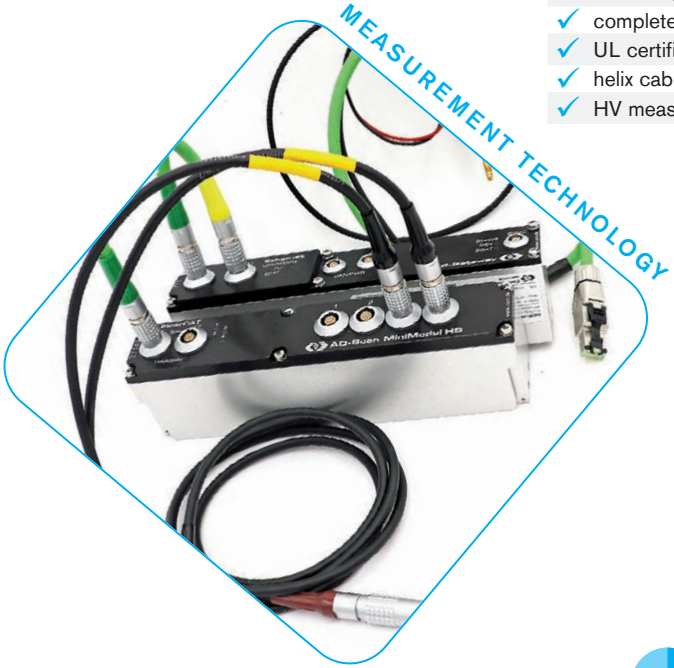
Conductors:

- ✓ 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



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June 2023