

Flexible Control Cables

SABIX® A 530 Rugged

Rugged, flexible control cable for indoor and outdoor use



Marking for SABIX® A 530 Rugged 53001215:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 530 Rugged 12x1.5mm² CE

A
25

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	SABIX®
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
Jacket material:	SABIX®
Jacket color:	black (RAL 9005)

Outstanding features:

- halogen-free
- very good resistance against Skydrol hydraulic oil
- extremely large temperature range
- very good abrasion resistance
- low capacity construction
- for indoor and outdoor use

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	conductor/conductor: 3000 V
Min. bending radius:	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	10 x O.D.
Temperature range:	
<i>static:</i>	-50/+90°C
<i>flexible:</i>	-40/+90°C
<i>jacket material:</i>	up to +105°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	very good
UV and weather resistance:	very good
Salt water resistance:	very good
Battery acid resistance:	very good
Chemical resistance:	very good against a variety of aggressive chemicals
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	outer-ø ± 5%	outer-ø	cable weight
		inch	mm	≈lbs/mft
▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²				
53000305	3	0.205	5.2	21
53000705	7	0.272	6.9	41
53001805	18	0.425	10.8	99
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
53000407	4	0.248	6.3	34
53001207	12	0.398	10.1	90
53002507	25	0.555	14.1	176

item no.	no. of conductors incl. ground	outer-ø ± 5%	outer-ø	cable weight
		inch	mm	≈lbs/mft
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
53000510	5	0.287	7.3	50
53001010	10	0.409	10.4	98
53001210	12	0.421	10.7	111
53001810	18	0.508	12.9	165
53003410	34	0.689	17.5	302
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
53000215	2	0.252	6.4	35
53001215	12	0.480	12.2	153
53001815	18	0.575	14.6	228

item no.	no. of conductors incl. ground	outer-ø ± 5%	outer-ø	cable weight
		inch	mm	≈lbs/mft
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
53000425	4	0.354	9.0	87
53000725	7	0.441	11.2	144
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
53000440	4	0.437	11.1	134
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
53000460	4	0.524	13.3	204

Other dimensions and colors are available on request



Also suitable
as ESS cable for
energy storage system