

Cables for high mechanical Stress

SAB S 745 - Exploration

continuously flexible control cable, robust and oil resistant

ES · D-VIERSEN · SAB S 745 - Exploration 18x1,5mm²



Marking for SAB S 745 - Exploration 07451815:

SAB BRÖCKSKES · D-VIERSEN · SAB S 745 - Exploration 18x1,5mm² cULus AWM Style 21233 80°C 1000V AWM I/II A/B 80°C 1000V FT1 FT2 0745-0715 CE

Application: Halogen-free, screened control cable for continuous flexible use in cable chains in rough environments for example drilling equipment or wet areas of machine tools and production lines. Appropriate for outdoor and indoor areas.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	SABIX®
Colour code:	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green-yellow earth wire
Inner sheath:	SABIX® (only for multi-core cables)
Screen:	tinned copper braiding
Sheath material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Sheath colour:	black (RAL 9005)

Outstanding features:



- UL/cUL recognized
- extremely large temperature range
- small outer diameter
- small cable weight
- long travels possible
- very good EMC characteristics

Technical data:

Nominal voltage:	U ₀ /U 300/500 V	
Voltage UL/cUL:	600 V	
Testing voltage:	core/core	2000 V
	core/screen	2000 V
Min. bending radius <i>continuously flexible:</i>	10 x d	
Temperature range <i>fixed laying:</i>	DIN VDE -50/+90 °C	
<i>flexible application*:</i>	-45/+90 °C	
Cold resistance:	-50°C acc. to DIN EN 60811-506	
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	
Fire performance:	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	
MUD resistance:	very good - acc. to IEC 60092-360, IEC 61892-4, NEK TS 606	
Sunlight resistance:	acc. to HD 605	
Ozone resistance:	acc. to DIN EN 50396	
Salt water resistance:	acc. to UL 1309	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“	
	*protected installation	

Hybrid cable on request!

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
07450315	3 x 1,50	0,16	7,8	66,8	97
07450515	5 x 1,50	0,16	9,1	96,1	136
07451815	18 x 1,50	0,16	15,5	287,9	402
07452515	25 x 1,50	0,16	19,0	469,8	608
07450325	3 x 2,50	0,16	10,1	102,3	157
07450525	5 x 2,50	0,16	11,3	171,0	233
07451825	18 x 2,50	0,16	26,2	542,7	702
07452525	25 x 2,50	0,16	24,9	744,7	989
07450440	4 x 4,00	0,16	12,5	202,3	271
07450160	1 x 6,00	0,21	6,4	75,2	88
07450460	4 x 6,00	0,21	15,3	327,9	423
07450161	1 x 10,0	0,21	7,4	117,3	135
07450162	1 x 16,0	0,21	8,6	179,8	198
07450462	4 x 16,0	0,21	22,3	743,0	977
07450163	1 x 25,0	0,21	10,6	287,6	304
07450165	1 x 50,0	0,31	14,7	576,9	605

Other dimensions and colours are possible on request.

