

**CB 627** CAN-Bus cable with UL recognition

**S CB 628** Halogen-free CAN-Bus cable for cable tracks with UL recognition



Marking for S CB 628 06282251:

SAB BRÖCKSKES · D-VIERSEN · S CB 628 2 x 0.25 mm² AWM Style 20235 80°C 300 V CE

CAN-Bus according to ISO 11898. The CAN-Bus cable is applied for the exchange of digital information, control apparatus net (CAN) for faster data transmission/exchange. Application in power supply cable tracks, highly flexible data cables.

item no.	type	no. of pairs/conductors	AWG	nominal outer- $\phi$ inch	mm	cable weight $\approx$ lbs/ft
▶ 06272251	CB 627	2	24 ( $\approx$ 16/34)	0.236	6.0	30
▶ 06272341	CB 627	2	22 ( $\approx$ 7/30)	0.252	6.4	32
▶ 06272501	CB 627	2	20 ( $\approx$ 17/32)	0.299	7.6	42
▶ 06272751	CB 627	2	19 ( $\approx$ 23/32)	0.378	9.6	62
▶ 06282251	S CB 628	2	24 ( $\approx$ 34/38)	0.311	7.9	48
▶ 06282341	S CB 628	2	22 ( $\approx$ 42/38)	0.327	8.3	52
▶ 06282501	S CB 628	2	20 ( $\approx$ 68/38)	0.343	8.7	50
▶ 06274251	CB 627	2 x 2	24 ( $\approx$ 16/34)	0.280	7.1	38
▶ 06274341	CB 627	2 x 2	22 ( $\approx$ 7/30)	0.303	7.7	44
▶ 06274501	CB 627	2 x 2	20 ( $\approx$ 17/32)	0.374	9.5	66
▶ 06274751	CB 627	2 x 2	19 ( $\approx$ 23/32)	0.531	13.5	117
▶ 06284251	S CB 628	2 x 2	24 ( $\approx$ 34/38)	0.358	9.1	60
▶ 06284341	S CB 628	2 x 2	22 ( $\approx$ 42/38)	0.378	9.6	65
▶ 06284501	S CB 628	2 x 2	20 ( $\approx$ 68/38)	0.417	10.6	63

Other dimensions and colors are possible on request.

## General construction:

<b>Color code:</b>	acc. to DIN VDE 47100
<b>Insulation:</b>	PE 2Y11 acc. to DIN VDE 0207 part 2
<b>Screen:</b>	tinned copper braiding

## Technical data:

<b>Peak operating voltage:</b>	max. 350 V
<b>Voltage:</b>	UL: 300 V
<b>Testing voltage:</b>	1500 V
<b>Min. bending radius:</b>	7.5 x O.D.
<b>Burning characteristics:</b>	flame retardant and extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2
<b>Characteristic impedance at 1 MHz:</b>	120 $\Omega$ (95 - 140 $\Omega$ )
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

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▶ <b>Conductor:</b>	bare copper strands acc. to DIN VDE 0812	bare copper strands, extra fine wires
▶ <b>Wrapping:</b>	PETP foil	non-woven tape
▶ <b>Inner jacket (nature):</b>	-	SABIX®
▶ <b>Outer jacket (purple):</b>	PVC, YÖ acc. to DIN VDE 0207 PUR, part 5	TMPU acc. to DIN VDE 0281 part 10 with rough surface
▶ <b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	5 x 10 <sup>7</sup> cJ/kg
▶ <b>Temperature range</b> <i>static:</i> <i>flexing:</i>	UL: up to +80°C -30/+70°C -5/+70°C	UL: up to +80°C -40/+70°C -40/+70°C
▶ <b>Zero halogen:</b>	-	acc. to DIN VDE 0472 part 815 + IEC 60754-1
▶ <b>Oil resistance:</b>	very good - acc. to DIN VDE 0207	very good - TMPU acc. to DIN VDE 0282 part 10
▶ <b>Flexibility:</b>	good	very good
▶ <b>Application in cable tracks:</b>	not recommended	recommended
▶ <b>Chemical resistance:</b> good against acids, alkalines, solvents, hydraulic liquids etc.	-	X
▶ <b>Weather resistance:</b>	medium	very good