



**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



<b>Construction:</b>	<b>CB 627</b>	<b>S CB 628</b>
<b>Conductors:</b>	bare copper strands with reference to VDE 0812	bare copper strands, extra fine wires
<b>Insulation:</b>	PE, 2Y11 acc. to EN 50290-2-23 + VDE 0819-103	PE, 2Y11 acc. to EN 50290-2-23 + VDE 0819-103
<b>Color code:</b>	acc. to DIN 47100	acc. to DIN 47100
<b>Wrapping:</b>	PETP foil	non-woven tape
<b>Inner jacket (nature):</b>	—	SABIX®
<b>Shielding:</b>	tinned copper braiding	tinned copper braiding
<b>Jacket material:</b>	PVC, TM5 acc. to EN 50363-4-1	PUR, TMPU acc. to EN 50363-10-2 with rough surface
<b>Jacket color:</b>	red lilac (RAL 4001)	red lilac (RAL 4001)

<b>Technical data:</b>	<b>CB 627</b>	<b>S CB 628</b>
<b>Peak operating voltage:</b>	max. 350 V	max. 350 V
<b>Voltage UL:</b>	300 V	300 V
<b>Testing voltage:</b> conductor/conductor: conductor/shielding:	2000 V 2000 V	2000 V 2000 V
<b>Min. bending radius:</b>	7.5 x O.D.	7.5 x O.D.
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	5 x 10 <sup>7</sup> cJ/kg
<b>Temperature range VDE:</b> static: flexible:	UL: up to +80°C -30/+70°C -5/+70°C	UL: up to +80°C -40/+70°C -40/+70°C
<b>Halogen-free:</b>	—	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	
<b>Oil resistance:</b>	very good acc. to VDE 0207-5	very good acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Chemical resistance:</b>	—	good against acids, alkalines, solvents, hydraulic liquids, etc.
<b>Characteristic impedance:</b>	120 Ω ± (95 - 140 Ω)	120 Ω ± (95 - 140 Ω)
<b>Flexibility:</b>	good	very good
<b>Application in cable tracks:</b>	not recommended	recommended
<b>Weather resistance:</b>	medium	very good
<b>UL Style:</b>	2464	20233
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see page O/30	

item no.	type	no. of pairs/conductors	AWG	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 06272251	CB 627	2	24 (≈ 16/34)	0.240	6.1	30
▶ 06272341	CB 627	2	22 (≈ 7/30)	0.252	6.4	32
▶ 06272501	CB 627	2	20 (≈ 17/32)	0.303	7.7	45
▶ 06272571	CB 627	2	19 (≈ 23/32)	0.378	9.6	61
▶ 06282251	S CB 628	2	24 (≈ 34/38)	0.311	7.9	52
▶ 06282341	S CB 628	2	22 (≈ 42/38)	0.327	8.3	56
▶ 06282501	S CB 628	2	20 (≈ 68/38)	0.343	8.7	54
▶ 06274251	CB 627	2 x 2	24 (≈ 16/34)	0.287	7.3	41
▶ 06274341	CB 627	2 x 2	22 (≈ 7/30)	0.303	7.7	45
▶ 06274501	CB 627	2 x 2	20 (≈ 17/32)	0.386	9.8	70
▶ 06274751	CB 627	2 x 2	19 (≈ 23/32)	0.531	13.5	120
▶ 06284251	S CB 628	2 x 2	24 (≈ 34/38)	0.358	9.1	66
▶ 06284341	S CB 628	2 x 2	22 (≈ 42/38)	0.378	9.6	71
▶ 06284501	S CB 628	2 x 2	20 (≈ 68/38)	0.417	10.6	77

Other dimensions and colors are available on request