

# CAN-Bus Cables acc. to ISO 11898





**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 · 06282251 1x2x0,25mm<sup>2</sup> S CB 628 24 AWG/1pr AWM Style 20233 80°C 300 V CE

		
<b>Construction:</b>	<b>CB 627</b>	<b>S CB 628</b>
<b>Dimension:</b>	2 x 0,25 mm <sup>2</sup> , 2 x 0,34 mm <sup>2</sup> , 2 x 0,50 mm <sup>2</sup> , 2 x 0,75 mm <sup>2</sup> , 2 x 2 x 0,25 mm <sup>2</sup> , 2 x 2 x 0,34 mm <sup>2</sup> , 2 x 2 x 0,50 mm <sup>2</sup> , 2 x 2 x 0,75 mm <sup>2</sup>	2 x 0,25 mm <sup>2</sup> , 2 x 0,34 mm <sup>2</sup> , 2 x 0,50 mm <sup>2</sup> , 2 x 2 x 0,25 mm <sup>2</sup> , 2 x 2 x 0,34 mm <sup>2</sup> , 2 x 2 x 0,50 mm <sup>2</sup>
<b>Conductor:</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	
<b>Colour code:</b>	acc. to DIN 47100	
<b>Wrapping:</b>	PETP foil	non-woven tape
<b>Inner sheath (nature):</b>	---	SABIX®
<b>Screen:</b>	tinned copper braiding	
<b>Sheath material:</b>	PVC, TM5 acc. to EN 50363-4-1	PUR, TPU acc. to EN 50363-10-2 with rough surface
<b>Sheath colour:</b>	redilac (RAL 4001)	

	<b>CB 627</b>	<b>S CB 628</b>
<b>Technical data:</b>		
<b>Item number:</b>	0627-2251, 0627-2341, 0627-2501, 0627-2751, 0627-4251, 0627-4341, 0627-4501, 0627-4751	0628-2251, 0628-2341, 0628-2501, 0628-4251, 0628-4341, 0628-4501
<b>Peak operating voltage:</b>	max. 350 V	
<b>Voltage UL:</b>	300 V	
<b>Testing voltage</b> core/core: core/screen:	2000 V 2000 V	
<b>Min. bending radius:</b>	7,5 x d	
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	5 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b> fixed laying: flexible application:	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>Fire performance:</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)	
<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 chapter N „Technical data“	

item no.	type	dimension	outer-ø ± 5%	copper figure kg/km	cable weight ≈kg/km
06272251	CB 627	2 x 0,25 mm <sup>2</sup>	6,1	19,0	44
06272341	CB 627	2 x 0,34 mm <sup>2</sup>	6,4	21,8	48
06272501	CB 627	2 x 0,50 mm <sup>2</sup>	7,7	28,4	67
06272751	CB 627	2 x 0,75 mm <sup>2</sup>	9,6	39,6	91
06282251	S CB 628	2 x 0,25 mm <sup>2</sup>	7,9	20,2	77
06282341	S CB 628	2 x 0,34 mm <sup>2</sup>	8,3	22,9	84
06282501	S CB 628	2 x 0,50 mm <sup>2</sup>	8,7	29,0	81
06274251	CB 627	2 x 2 x 0,25 mm <sup>2</sup>	7,3	27,4	61
06274341	CB 627	2 x 2 x 0,34 mm <sup>2</sup>	7,7	33,5	67
06274501	CB 627	2 x 2 x 0,50 mm <sup>2</sup>	9,8	44,4	104
06274751	CB 627	2 x 2 x 0,75 mm <sup>2</sup>	13,5	80,8	179
06284251	S CB 628	2 x 2 x 0,25 mm <sup>2</sup>	9,1	27,9	98
06284341	S CB 628	2 x 2 x 0,34 mm <sup>2</sup>	9,6	32,7	105
06284501	S CB 628	2 x 2 x 0,50 mm <sup>2</sup>	10,6	44,9	115

Other dimensions and colours are possible on request.

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