

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 6282251:

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



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

Technical data:	CB 627	S CB 628
Peak operating voltage:	max. 350 V	max. 350 V
Voltage UL:	300 V	300 V
Testing voltage: conductor/conductor: conductor/shielding:	2000 V 2000 V	2000 V 2000 V
Min. bending radius:	7.5 x O.D.	7.5 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg	5 x 10 ⁷ cJ/kg
Temperature range VDE: static: flexible:	UL: up to +80°C -30/+70°C -5/+70°C	UL: up to +80°C -40/+70°C -40/+70°C
Halogen-free:	—	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	
Oil resistance:	very good acc. to VDE 0207-5	very good acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	—	good against acids, alkalines, solvents, hydraulic liquids, etc.
Characteristic impedance:	120 Ω ± (95 - 140 Ω)	120 Ω ± (95 - 140 Ω)
Flexibility:	good	very good
Application in cable tracks:	not recommended	recommended
Weather resistance:	medium	very good
UL Style:	2464	20233
Absence of harmful substances:	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
▶ 6272251	CB 627	2	24 (≈ 16/34)	0.240	6.1	30
▶ 6272341	CB 627	2	22 (≈ 7/30)	0.252	6.4	32
▶ 6272501	CB 627	2	20 (≈ 17/32)	0.303	7.7	45
▶ 6272751	CB 627	2	19 (≈ 23/32)	0.378	9.6	61
▶ 6282251	S CB 628	2	24 (≈ 34/38)	0.311	7.9	52
▶ 6282341	S CB 628	2	22 (≈ 42/38)	0.327	8.3	56
▶ 6282501	S CB 628	2	20 (≈ 68/38)	0.343	8.7	54
▶ 6274251	CB 627	2 x 2	24 (≈ 16/34)	0.287	7.3	41
▶ 6274341	CB 627	2 x 2	22 (≈ 7/30)	0.303	7.7	45
▶ 6274501	CB 627	2 x 2	20 (≈ 17/32)	0.386	9.8	70
▶ 6274751	CB 627	2 x 2	19 (≈ 23/32)	0.531	13.5	120
▶ 6284251	S CB 628	2 x 2	24 (≈ 34/38)	0.358	9.1	66
▶ 6284341	S CB 628	2 x 2	22 (≈ 42/38)	0.378	9.6	71
▶ 6284501	S CB 628	2 x 2	20 (≈ 68/38)	0.417	10.6	77

Other dimensions and colors are available on request