

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 example:

SAB BRÜCKSKES · D-VIERSEN · 06282251 1x2x0,25mm² S CB 628 24 AWG/1pr AWM Style 20233 80°C 300 V CE

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

Technical data:	CB 627	S CB 628
Dimension:	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
Peak operating voltage:	max. 350 V	
Voltage UL:	300 V	
Testing voltage core/core:	2000 V	
core/screen:	2000 V	
Min. bending radius:	7,5 x d	
Radiation resistance:	8 x 10 ⁷ cJ/kg	5 x 10 ⁷ cJ/kg
Temperature range fixed laying:	UL: up to +80 °C -30/+70 °C	UL: up to +80 °C -40/+70 °C
flexible application:	-5/+70 °C	-40/+70 °C
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	
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)	
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 chapter N „Technical data“	

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

Other dimensions and colours are possible on request.