

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

General construction:

Colour code:	acc. to DIN VDE 47100
Insulation:	PE 2Y11 acc. to DIN VDE 0207 part 2
Screen:	tinned copper braiding

Technical data:

Peak operating voltage:	max. 350 V
Voltage UL:	300 V
Testing voltage:	1500 V
Min. bending radius:	7,5 x d
Characteristic impedance at 1 MHz:	120 Ω (95 - 140 Ω)
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17

	CB 627	S CB 628
➤ Conductor:	bare copper strands acc. to DIN VDE 0812	bare copper strands, extra fine wires
➤ Wrapping:	PETP foil	non-woven tape
➤ Inner sheath (nature):	-	SABIX®
➤ Sheath material, redilac (RAL 4001):	PVC, YÖ acc. to DIN VDE 0281 part 1	TMPU acc. to DIN VDE 0281 part 10 with rough surface
➤ Radiation resistance:	8 x 10 ⁷ cJ/kg	5 x 10 ⁷ cJ/kg
➤ Temperature range: <i>fixed laying:</i> <i>flexible application:</i>	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 DIN VDE 0472 part 815 + IEC 60754-1
➤ Fire performance: flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2	X	X
➤ Corrosiveness of conflagration gases: in compliance with IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases	-	-
➤ Oil resistance:	very good - acc. to DIN VDE 0207 part 5	very good - TMPU acc. to DIN VDE 0282 part 10
➤ Flexibility:	good	very good
➤ Application in cable tracks:	not recommended	recommended
➤ Chemical resistance: good against acids, alkalines, solvents, hydraulic liquids etc.	-	X
➤ Weather resistance:	medium	very good

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

Other dimensions and colours are possible on request.