

Airport Equipment Cables

BB 380 Boarding Bridge

Cables for the flexible applications in passenger bridges

ERSEN · BB 380 Boarding Bridge 300/500V 4 G 1.0 mm² CE



Marking for BB 380 Boarding Bridge 53800410:

SAB BRÜCKSKES · D-VIERSEN · BB 380 Boarding Bridge 300/500V 4 G 1.0 mm² CE

Application: The BB 380 Boarding Bridge is ideally suitable for use in passenger boarding bridges. In addition to halogen-free, this cable has further advantages such as oil resistance, weather resistance and UV resistance.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228 VDE 0295, class 5
Insulation:	special SABIX®
Color code:	black conductors with consecutive numbers acc. to EN 50334, from 3 conductors a green/yellow ground
Stranding:	in layers
Wrapping:	non-woven tape
Jacket material:	PUR
Jacket color:	black (RAL 9005)

Technical data:

Nominal voltage:	up to AWG 18: U ₀ /U 300/500 V up to AWG 16: U ₀ /U 0.6/1 kV
Testing voltage:	300/500 V: 3000 V 0.6/1 kV: 4000 V
Min. bending radius:	<i>fixed installation:</i> 4 x O.D. <i>flexible application:</i> 7.5 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range:	<i>static:</i> -40/+90°C <i>flexible:</i> -30/+90°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 - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Flexibility:	very good
Weather resistance:	good
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

Outstanding features:



- halogen-free
- oil resistant
- weather resistant
- sunlight resistant

300/500 V

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		inch ± 5%	mm ± 5%	
▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²				
53800205	2	0.201	5.1	20
53800305	3	0.213	5.4	26
53800405	4	0.228	5.8	31
53800505	5	0.248	6.3	37
53800705	7	0.287	7.3	50
53801205	12	0.358	9.1	78
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
53800207	2	0.224	5.7	26
53800307	3	0.236	6.0	33
53800407	4	0.256	6.5	40
53800507	5	0.280	7.1	49
53800707	7	0.327	8.3	67
53801207	12	0.406	10.3	107
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
53800210	2	0.232	5.9	30
53800310	3	0.244	6.2	38
53800410	4	0.264	6.7	47
53800510	5	0.291	7.4	58
53800710	7	0.339	8.6	78
53801210	12	0.421	10.7	126

0.6/1 kV

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		inch ± 5%	mm ± 5%	
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
53800215	2	0.320	8.1	52
53800315	3	0.339	8.6	67
53800415	4	0.374	9.5	40
53800515	5	0.409	10.4	103
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
53800225	2	0.374	9.5	75
53800325	3	0.394	10.0	98
53800425	4	0.429	10.9	120
53800525	5	0.480	12.2	151
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
53800240	2	0.421	10.7	102
53800340	3	0.453	11.5	136
53800440	4	0.496	12.6	171
53800540	5	0.559	14.2	216

0.6/1 kV

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		inch ± 5%	mm ± 5%	
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
53800260	2	0.469	11.9	136
53800360	3	0.496	12.6	179
53800460	4	0.559	14.2	234
53800560	5	0.614	15.6	286
▶ 8 AWG (≈ 77/26) ▪ 10.00 mm²				
53800261	2	0.626	15.9	222
53800361	3	0.661	16.8	303
53800461	4	0.732	18.6	380
53800561	5	0.815	20.7	475

Other dimensions and colors are available on request



**Shielded version
on request**

