

Halogen-free Cables

SABIX® A 872 C TWÖ

„Thinwall” connection and data cable with overall copper screen

with reference to
EN 50306-2

Classification of
smoke density acc. to
NF F 16-101



· D-VIERSEN · SABIX® A 872 C TWÖ 6 x 1,0 mm² CE



Marking for SABIX® A 872 C TWÖ 68720610:

SAB BRÜCKSKES · D-VIERSEN · SABIX® A 872 C TWÖ 6 x 1,0 mm² CE

Construction:

Conductor:	tinned copper strands fine wires acc. to EN 50306-2 + VDE 0260-306-2
Insulation:	special SABIX®
Colour code:	white cores with consecutive numbers acc. to EN 50334 + VDE 0293-334
Stranding:	in layers
Wrapping:	foil
Screen:	tinned copper braiding
Sheath material:	special SABIX®
Sheath colour:	black (RAL 9005)

Outstanding features:

- very flexible
- good EMC characteristics
- halogen-free
- oil resistant
- flame retardant and self-extinguishing
- classification of smoke density acc. to NF F 16-101
- thin-walled
- high installation comfort

Technical Data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage:	core/core 2000 V core/screen 2000 V
Min. bending radius <i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
Temperature range <i>fixed laying:</i>	-40/+105 °C
<i>flexible application:</i>	-25/+105 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	No flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 and EN 50305 + VDE 0260-305 section 9.1.2. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + VDE 0482-1034
Index of smoke density:	acc. to NF F 16-101
Ozone resistance:	acc. to EN 50396 + VDE 0473-396
Flexibility:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	no. of cores x cross section n x mm ²	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
68720205	2 x 0,50	4,8 ± 0,5	22,9	34
68720405	4 x 0,50	5,4 ± 0,5	35,1	48
68720805	8 x 0,50	7,4 ± 0,5	57,1	83
68721005	10 x 0,50	8,0 ± 0,5	74,3	101
68721205	12 x 0,50	8,2 ± 0,5	84,0	113
68721605	16 x 0,50	9,0 ± 0,5	105,7	140
68720207	2 x 0,75	5,2 ± 0,5	30,0	41
68720407	4 x 0,75	5,8 ± 0,5	47,2	61
68720607	6 x 0,75	6,8 ± 0,5	64,7	83
68720807	8 x 0,75	8,1 ± 0,5	84,5	111
68721007	10 x 0,75	8,8 ± 0,5	100,8	131
68721207	12 x 0,75	9,0 ± 0,5	115,3	148
68721407	14 x 0,75	9,4 ± 0,5	131,2	167
68721607	16 x 0,75	9,9 ± 0,5	148,8	187
68721807	18 x 0,75	10,4 ± 0,5	163,6	205
68720210	2 x 1,00	5,5 ± 0,5	35,1	47
68720410	4 x 1,00	6,2 ± 0,5	57,8	71
68720610	6 x 1,00	7,3 ± 0,5	81,7	102
68720710	7 x 1,00	7,3 ± 0,5	91,3	108
68720810	8 x 1,00	8,6 ± 0,5	105,6	130
68721010	10 x 1,00	9,4 ± 0,5	127,7	155
68720215	2 x 1,50	6,1 ± 0,5	48,2	62
68720415	4 x 1,50	7,0 ± 0,5	81,4	99
68720715	7 x 1,50	8,6 ± 0,5	129,6	160
68720815	8 x 1,50	9,8 ± 0,5	149,7	184

Other dimensions and colours are possible on request.