

# Halogen-free Cables

## SABIX® A 871 TWÖ

„Thinwall” connection and data cable

with reference to  
EN 50306-2

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



BRÜCKSKES · D-VIERSEN · SABIX® A 871 TWÖ 5 x 1,5 mm<sup>2</sup> CE



Marking for SABIX® A 871 TWÖ 68710515:

SAB BRÜCKSKES · D-VIERSEN · SABIX® A 871 TWÖ 5 x 1,5 mm<sup>2</sup> CE

### Construction:

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

### Technical Data:

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

### Outstanding features:



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

item no.	no. of cores x cross section n x mm <sup>2</sup>	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
68710207	2 x 0,75	4,7	14,4	35
68710407	4 x 0,75	5,3	28,8	51
68711007	10 x 0,75	8,4	72,0	116
68711807	18 x 0,75	10,2	129,6	193
68710210	2 x 1,00	5,0	19,2	41
68710310	3 x 1,00	5,2	28,8	50
68710410	4 x 1,00	5,7	38,4	61
68711010	10 x 1,00	9,0	96,0	140
68712510	25 x 1,00	12,8	240,0	308
68710515	5 x 1,50	7,5	72,0	113
68710715	7 x 1,50	8,2	100,8	148
68710325	3 x 2,50	7,2	72,0	107

Other dimensions and colours are possible on request.