

# Halogen-free Cables

## SAB RailLine 560

continuously flexible SABIX® Rail Cable for outdoor use, cross linked type



-VIERSEN · SAB RailLine 560 5x0,75mm² C 6560-1105 CE 



Marking for SAB RailLine 560 65601105:

SAB BRÜCKSKES · D-VIERSEN · SAB RailLine 560 5x0,75mm² C 6560-1105 CE

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**Application:** For flexible outdoor installation, e.g. bogies, railway machines. Also for flexible application inside rolling stock, e.g. door systems.

### Construction:

<b>Conductor:</b>	tinned copper strands, extra fine wires
<b>Insulation:</b>	SABIX® X
<b>Colour code:</b>	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 cores
<b>Stranding:</b>	in layers resp. pairwise
<b>Wrapping:</b>	foil
<b>Screen:</b>	tinned copper braiding (if existing)
<b>Sheath material:</b>	SABIX® X
<b>Sheath colour:</b>	black (RAL 9005)

### Outstanding features:



- weather resistant
- continuously flexible
- good ozone and UV resistance
- good oil and fuel resistance
- good acid and alkalines resistance
- fulfils fire protection requirements R15 (EL1A) and R16 (EL1B) acc. to EN 45545-2 for hazard levels HL1-3

### Technical Data:

<b>Nominal voltage:</b>	Uo/U 300/500 V resp. 0.6/1 kV		
<b>Testing voltage:</b>	core/core	300/500 V	0.6/1 kV
	core/core	2000 V	4000 V
	core/screen	2000 V	4000 V
<b>Min. bending radius</b>			
<i>fixed laying:</i>	4 x d		
<i>flexible application:</i>	6 x d		
<i>continuously flexible:</i>	10 x d		
<b>Torsion angle:</b>	± 15°/1 m		
<b>Temperature range</b>			
<i>fixed laying:</i>	-50/+90 °C		
<i>flexible application:</i>	-50/+90 °C		
<b>Halogen-free:</b>	acc. to EN 50306-1 + EN 50264-1 are fulfilled. Development of HCl is < 0,5% acc. to IEC 60754-1. pH-value is > 4,3 acc. to IEC 60754-2. Conductivity is < 10,0 µS/mm acc. to IEC 60754-2. Fluoric content < 0,1% acc. to IEC 60684-2.		
<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>Toxicity:</b>	acc. to EN 50305 + VDE 0260-305		
<b>Smoke density:</b>	acc. to IEC 61034 + VDE 0482-1034		
<b>Weather resistance:</b>	very good		
<b>Oil and fuel resistance:</b>	acc. to EN 50264-1 + VDE 0260-264-1		
<b>Flexibility:</b>	very good		
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“		

item no.	no. of cores x cross section n x mm²	nominal voltage	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
<b>multi-core cable unscreened</b>					
65600002	2 x 0,50	300/500 V	4,9	9,6	37
65600105	5 x 0,75	300/500 V	6,4	36,0	73
65600203	3 x 1,00	300/500 V	5,3	28,8	55
65600205	5 x 1,00	300/500 V	6,7	48,0	86
65600207	7 x 1,00	300/500 V	7,9	67,2	127
65600225	25 x 1,00	300/500 V	13,4	240,0	346
65600304	4 x 1,50	300/500 V	6,9	57,6	101
65600307	7 x 1,50	300/500 V	9,3	100,8	175
65609001	5 x 35,0	0,6/1 kV	33,2	1680,0	2299

Other dimensions and colours are possible on request.

item no.	no. of cores x cross section n x mm²	nominal voltage	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
<b>multi-core cable screened</b>					
65601002	2 x 0,50	300/500 V	4,9	24,7	42
65601003	3 x 0,50	300/500 V	5,3	29,7	51
65601005	5 x 0,50	300/500 V	6,1	40,2	67
65601012	12 x 0,50	300/500 V	8,5	85,9	132
65601105	5 x 0,75	300/500 V	6,8	53,6	87
65601204	4 x 1,00	300/500 V	6,6	57,0	86
65601213	13 x 1,00	300/500 V	10,8	169,2	235
65601303	3 x 1,50	300/500 V	7,3	63,4	99
65601305	5 x 1,50	300/500 V	8,3	94,6	152
65601307	7 x 1,50	300/500 V	9,7	127,4	195
65609002	5 x 35,0	0,6/1 kV	34,1	1885,3	2455

Other dimensions and colours are possible on request.

item no.	no. of pairs x cross section n x 2 x mm²	nominal voltage	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
<b>multi-pair cable screened</b>					
65609004	6 x 2 x 0,25	300/500 V	8,0	46,3	98
65609005	12 x 2 x 0,34	300/500 V	11,9	131,4	204
65603002	2 x 2 x 0,50	300/500 V	6,7	35,5	69
65603004	4 x 2 x 0,50	300/500 V	8,5	60,1	108
65603006	6 x 2 x 0,50	300/500 V	9,8	84,3	153
65603008	8 x 2 x 0,50	300/500 V	12,3	129,3	230
65603103	3 x 2 x 0,75	300/500 V	8,4	65,9	124

Other dimensions and colours are possible on request.