

## GAALFLEX® SAFE

PVC control cable blue outer sheath, 300/500 V

ELETTROTEK KABEL® GAALFLEX® SAFE



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl.5, acc.to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	PVC type Tl2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Colour cores:</b>	black cores with consecutive numbers acc. to EN 50334
<b>Stranding:</b>	in layers
<b>Outer sheath:</b>	blue (RAL 5015), PVC type TM2, acc. to DIN VDE 0281 part 1 + HD 21.1

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0482 part 332-1-2  
EN 60332-1-2  
IEC 60332-1-2



**Oil resistance acc. to:**  
DIN VDE 0473 part 811-2-1  
IEC EN 60811-2-1

### Technical data:

<b>Nominal voltage:</b>	UoU 300/500 V
<b>Test voltage:</b>	3 kV acc.to DIN VDE 0281 part 2 + HD 21.2
<b>Temperature range</b>	
<i>Fixed laying:</i>	-40°C up to +70°C
<i>Flexible installation:</i>	+5°C up to +70°C
<b>Min. bending radius</b>	
<i>Fixed laying:</i>	4 x d
<i>Flexible installation:</i>	7,5 x d
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg

### Features:

for hazardous areas to hazard type -i-  
for intrinsically safe circuits,  
acc. to DIN EN 60079-14 and IEC 60079-14  
section 12.2.2., VDE 0165 part 1

RoHS and CE approval



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Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
34010DB1020M07	2 x 0,75	5,2	14,4	46	19
34010DB1030M07	3 x 0,75	5,5	21,6	54	19
34010DB1040M07	4 x 0,75	6,2	29	66	19
34010DB1050M07	5 x 0,75	6,8	36	80	19
34010DB1070M07	7 x 0,75	8,1	52	110	19
34010DB1080M07	8 x 0,75	8,9	58	130	19
34010DB1120M07	12 x 0,75	9,9	88	179	19
34010DB1180M07	18 x 0,75	11,9	130	257	19
34010DB1250M07	25 x 0,75	14,5	180	365	19
34010DB1300M07	30 x 0,75	15,8	215	448	19
34010DB1340M07	34 x 0,75	16,4	245	510	19
34010DB1410M07	41 x 0,75	17,6	298	607	19
34010DB1020M10	2 x 1	5,5	19	60	18
34010DB1030M10	3 x 1	6	29	72	18
34010DB1040M10	4 x 1	6,6	38	86	18
34010DB1050M10	5 x 1	7,2	48	104	18
34010DB1070M10	7 x 1	8,6	67	141	18
34010DB1120M10	12 x 1	10,7	115	230	18
34010DB1180M10	18 x 1	12,7	173	343	18
34010DB1250M10	25 x 1	15,6	240	485	18
34010DB1020M15	2 x 1,5	6,3	29	70	16
34010DB1030M15	3 x 1,5	6,7	43	90	16
34010DB1040M15	4 x 1,5	7,3	58	109	16
34010DB1050M15	5 x 1,5	8,2	72	131	16
34010DB1070M15	7 x 1,5	9,8	101	184	16
34010DB1120M15	12 x 1,5	12,1	173	309	16
34010DB1180M15	18 x 1,5	14,5	259	440	16
34010DB1250M15	25 x 1,5	17,8	360	620	16
34010DB1300M15	30 x 1,5	20	440	842	16
34010DB1030M15	3 x 2,5	8,3	72	148	14
34010DB1040M15	4 x 2,5	9,1	96	178	14
34010DB1050M15	5 x 2,5	10,2	120	221	14

Other dimensions and colors available on request.