

SAPFLEX KABEL CONTROL FLEX E -11 RoHS CC

## CONTROL FLEX - E11

■ **Technical data**



**Core identification code**  
Black with white number  
Based on: VDE 0293



**Conductor**  
fine wire base to  
VDE 0295 K1.5/IEC 60228 C1.5



**Rated voltage**  
U<sub>o</sub>/U: 300/500 V



**Protective conductor**  
G=with protective conductor GN/YE  
X=without protective conductor



**Specific insulation resistance**  
> 20 GOhm x cm



**Minimum bending radius**  
occasional flexing: 15 x cable diameter  
fixed installation: 4 x cable diameter



**Test voltage**  
4000V



**Range of temperature**  
occasional flexing: -5 °C to +70 °C  
fixed installation: -15 °C to + 80 °C

■ **Benefits**

- \* Space-saving installation due to small cable diameters
- \* High electrical performance due to 4 Kv test voltage

■ **Approvals (Norm references)**

- \* Using **RoHS** compliances compounds
- \* **CE**

■ **Product features**

- \* Flame-retardant acc. to IEC 60332-1-2
- \* Good chemical resistance

■ **Product Make-UP**

- \* Bare copper wire bunched conductor
- \* PVC insulation
- \* Cores twisted in layers
- \* PVC outer sheath, grey RAL(7001)

■ **Application range**

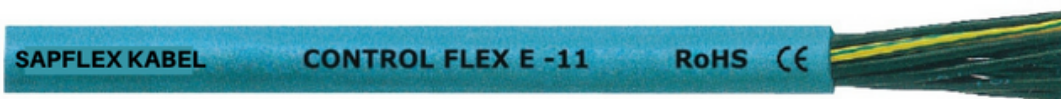
- \* Plant engineering and construction Industrial machinery, Air conditioning installations, Power station
- \* Dry or damp interiors under medium Mechanical load conditions
- \* Fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

Part Number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm approx.	Copper index Kg./km	Weight kg./km approx
<b>CONTROL FLEX - E11; U<sub>o</sub> / U: 300 / 500 V</b>				
400042	2 X 0.5	5.2	9.6	41
401043	3 G 0.5	5.5	14.4	47
400043	3 X 0.5	5.5	15.0	47
401044	4 G 0.5	5.9	19.2	57
400044	4 X 0.5	5.9	19.2	57
401045	5 G 0.5	6.6	24.0	73
400045	5 X 0.5	6.6	24.0	73
401046	6 G 0.5	7.1	29.0	85
401047	7 G 0.5	7.1	33.6	87
400047	7 X 0.5	7.1	33.6	87
400048	8 X 0.5	7.9	36.0	105
401410	10 G 0.5	8.8	48.0	131
401412	12 G 0.5	9.1	58.0	144
401414	14 G 0.5	9.5	67.0	162
401416	16 G 0.5	11	86.4	226
401421	21 G 0.5	11.5	101.0	238
401424	24 G 0.5	12.9	120.0	278
401430	30 G 0.5	14.9	144.0	382
400052	2 X 0.75	5.8	14.4	52
401053	3 G 0.75	6.1	21.6	62
400053	3 X 0.75	6.1	21.6	62
401054	4 G 0.75	6.7	28.8	75
400054	4 X 0.75	6.7	28.8	75
401055	5 G 0.75	7.4	36.0	97
400055	5 X 0.75	7.4	36.0	97
401056	6 G 0.75	8.0	39.4	115
401057	7 G 0.75	8.0	50.0	116
400057	7 X 0.75	8.0	50.0	116
400058	8 G 0.75	8.9	52.5	140
401059	9 G 0.75	9.6	65.0	161
401510	10 G 0.75	10.0	72.0	176
401512	12 G 0.75	10.3	86.0	196
400512	12 X 0.75	10.3	86.0	196
401515	15 G 0.75	11.4	108.0	241
400515	15 X 0.75	11.4	108.0	241
401516	16 G 0.75	11.6	115.2	250
401518	18 G 0.75	12.0	130.2	275
401521	21 G 0.75	13.3	151.0	330
401525	25 G 0.75	14.6	180.0	398
400062	2 X 1.0	6.3	19.2	64
401063	3 G 1.0	6.7	28.8	77
400063	3 X 1.0	6.7	28.8	77
401064	4 G 1.0	7.3	38.4	94
400064	4 X 1.0	7.3	38.4	94
401065	5 G 1.0	7.9	48.0	116
400065	5 X 1.0	7.9	48.0	116
401066	6 G 1.0	8.6	58.0	140
401067	7 G 1.0	8.6	67.0	140

We Carry Signals

For Current Information See : [www.sapflexkabel.com](http://www.sapflexkabel.com)

PVC sheath and numbered cores



## CONTROL FLEX - E11

Part Number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm approx.	Copper index Kg./km	Weight kg./km approx
<b>CONTROL FLEX - E11; U<sub>o</sub> / U: 300 / 500 V</b>				
400067	7 X 1.0	8.6	67.0	140
401068	8 G 1.0	9.8	77.0	176
401069	9 G 1.0	10.5	86.0	189
401610	10 G 1.0	11.1	96.0	222
401612	12 G 1.0	11.4	115.0	246
400612	12 X 1.0	11.4	115.0	246
401614	14 G 1.0	11.7	134.0	270
401616	16 G 1.0	12.7	153.6	312
401618	18 G 1.0	13.4	173.0	354
400618	18 X 1.0	13.4	173.0	354
401620	20 G 1.0	14.5	192.0	402
400620	20 X 1.0	14.5	192.0	402
401625	25 G 1.0	16.0	240.0	495
400072	2 X 1.5	7.1	29.0	82
401073	3 G 1.5	7.5	43.0	100
400073	3 X 1.5	7.5	43.0	100
401074	4 G 1.5	8.2	58.0	123
400074	4 X 1.5	8.2	58.0	123
401075	5 G 1.5	8.9	72.0	153
400075	5 X 1.5	8.9	72.0	153
401076	6 G 1.5	9.2	86.4	165
401077	7 G 1.5	9.7	101.0	187
400077	7 X 1.5	9.7	101.0	187
400078	8 G 1.5	11.1	115.0	233
400078	8 X 1.5	11.1	115.0	233
401079	9 G 1.5	11.9	130.0	251
401710	10 G 1.5	12.1	143.0	273
401711	11 G 1.5	12.1	158.0	298
401712	12 G 1.5	13.3	173.0	343
400712	12 X 1.5	13.3	173.0	343
401714	14 G 1.5	14.0	202.0	386
401716	16 G 1.5	13.9	230.0	419
401718	18 G 1.5	15.6	259.0	484
401721	21 G 1.5	16.2	302.0	536
401725	25 G 1.5	18.2	360.0	666
401726	26 G 1.5	17.8	374.4	680
400082	2 X 2.5	8.1	48.0	115
401083	3 G 2.5	8.6	72.0	142
401084	4 G 2.5	9.5	96.0	177
401085	5 G 2.5	10.4	120.0	222
401086	6 G 2.5	11.3	135.6	269
401087	7 G 2.5	11.3	168.0	274
400088	8 G 2.5	12.9	171.5	340
401812	12 G 2.5	15.6	288.0	501
401814	14 G 2.5	16.4	336.0	567
401818	18 G 2.5	18.2	432.0	725
401825	25 G 2.5	21.4	600.0	986
400093	3 X 4	10.41	114.8	216
400094	4 X 4	11.43	154.0	269
400095	5 X 4	12.52	192.0	328
400097	7 X 4	14.09	268.0	433
400103	3 X 6	12.56	172.0	315
400104	4 X 6	13.78	230.0	394
400105	5 X 6	15.10	287.0	480
400107	7 X 6	16.71	402.0	621
400113	3 X 10	15.06	286.5	484
400114	4 X 10	16.59	384.0	611
400115	5 X 10	18.23	480.0	748
400123	3 X 16	17.96	458.9	716
400124	4 X 16	20.63	614.0	949

\* Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

\* Other sizes can be manufactured on demand

We Carry Signals

For Current Information See : [www.sapflexkabel.com](http://www.sapflexkabel.com)