



## CONTROL FLEX - E11 CY

### Technical data

- |   |  |  |   |
|---|--|--|---|
| <b>Core identification code</b><br>Black with white numbers based on:<br>VDE 0293 | <b>Conductor stranding</b><br>fine wire base on<br>VDE 0295 K1.5/IEC 60228 C1.5                                    | <b>Rated voltage</b><br>U <sub>0</sub> /U: 300/500 V | <b>Protective conductor</b><br>G=with protective conductor GN/YE<br>X=without protective conductor              |
| <b>Specific insulation resistance</b><br>> 20 GOhm x cm                           | <b>Minimum bending radius</b><br>occasional flexing: 20 x cable diameter<br>fixed installation: 6 x cable diameter | <b>Test voltage</b><br>4000V                         | <b>Range of temperature</b><br>occasional flexing: -5 ° C to +70 ° C<br>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

### Product Make-UP

- \* Bare copper wire bunched conductor
- \* PVC insulation
- \* PVC inner sheath, grey
- \* Screen made of tinned copper wire braid
- \* PVC outer sheath, transparent

### Product features

- \* Flame-retardant acc. to IEC 60332-1-2
- \* Good chemical resistance
- \* High coverage degree of the screen low transfer impedance ( max. 250 ohm/km at 30 Mhz )
- \* The screen density assures disturbance free transmission of all signals and impulses
- \* The applied clear transparent PVC outer sheath accentuates the Optical view of the tinned copper braid.

### Application range

- \* Plant engineering and construction  
Industrial machinery, Air conditioning installations, Power station
- \* Conveying and Transport systems
- \* Servo drives
- \* In EMI critical environment  
( Electromagnetic interference )

### Approvals (Norm references)

- \* Using RoHS compliances compounds
- \* CE

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 CY; U<sub>0</sub> / U: 300 / 500 V</b>				
500042	2 X 0.5	7.4	41.0	87
501043	3 G 0.5	7.7	45.5	97
500043	3 X 0.5	7.7	45.5	97
501044	4 G 0.5	8.1	55.0	110
500044	4 X 0.5	8.1	55.0	110
501045	5 G 0.5	8.8	66.0	131
500045	5 X 0.5	8.8	66.0	131
501046	6 G 0.5	9.3	72.0	149
501047	7 G 0.5	9.3	80.5	149
500047	7 X 0.5	9.3	80.5	149
500048	8 X 0.5	10.3	85.6	177
501049	10 G 0.5	11.4	96.0	217
501042	12 G 0.5	11.6	138.5	232
500412	12 X 0.5	11.6	138.5	232
500414	14 X 0.5	12.3	144.0	260
500416	16 X 0.5	12.8	149.3	283
501418	18 G 0.5	13.7	156.4	325
504425	25 G 0.5	15.6	250.0	419
501430	30 G 0.5	16.7	297	483
500052	2 X 0.75	8.0	46.0	104
501053	3 G 0.75	8.3	57.9	117
500053	3 X 0.75	8.3	57.9	117
501054	4 G 0.75	8.8	64.0	135
500054	4 X 0.75	8.8	64.0	135
501055	5 G 0.75	9.6	77.4	161
500055	5 X 0.75	9.6	77.4	161
501056	6 G 0.75	10.2	81.0	184
501057	7 G 0.75	10.2	102.0	185
500057	7 X 0.75	10.2	102.0	185
500058	8 X 0.75	11.1	109.0	216
500510	10 X 0.75	12.4	134.0	268
501512	12 G 0.75	12.9	177.0	295
500512	12 X 0.75	12.9	177.0	295
500514	14 X 0.75	13.6	192.0	331
500516	16 X 0.75	14.2	206.0	362
501518	18 G 0.75	15.0	243.0	408
500518	18 X 0.75	15.0	243.0	408
501525	25 G 0.75	17.4	307.3	541
501530	30 G 0.75	18.7	318.0	628
500062	2 X 1.0	8.5	56.0	120
501063	3 G 1.0	8.9	65.3	137
500063	3 X 1.0	8.9	65.3	137
501064	4 G 1.0	9.5	78.1	159
500064	4 X 1.0	9.5	78.1	159
501065	5 G 1.0	10.3	89.4	191
501066	6 G 1.0	11.0	96.0	221
501067	7 G 1.0	11.0	113.3	221

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 CY; U<sub>0</sub> / U: 300 / 500 V</b>				
500068	8 X 1.0	12.4	126.0	273
500610	10 X 1.0	13.7	151.0	331
501612	12 G 1.0	14.0	188.1	358
500614	14 X 1.0	14.8	197.7	401
501616	16 G 1.0	15.7	216.0	450
501618	18 G 1.0	16.4	286.0	500
501625	25 G 1.0	19.2	388.5	674
501630	30 G 1.0	20.7	426.0	783
500072	2 X 1.5	9.3	65.0	145
501073	3 G 1.5	9.7	83.0	166
500073	3 X 1.5	9.7	83.0	166
501074	4 G 1.5	10.4	100.0	194
500074	4 X 1.5	10.4	100.0	194
501075	5 G 1.5	11.3	125.0	236
500075	5 X 1.5	11.3	125.0	236
501076	6 G 1.5	12.1	136.0	275
501077	7 G 1.5	12.1	149.0	277
500077	7 X 1.5	12.1	149.0	277
500078	8 X 1.5	13.7	178.0	341
500710	10 X 1.5	15.1	225.0	417
501712	12 G 1.5	15.7	280.0	462
500714	14 X 1.5	16.4	305.0	511
500716	16 X 1.5	17.4	336.0	575
501718	18 G 1.5	18.6	389.0	656
501725	25 G 1.5	21.8	535.0	888
501730	30 G 1.5	23.0	596.0	1009
500082	2 X 2.5	10.5	112.0	192
501083	3 G 2.5	11.0	146.0	223
501084	4 G 2.5	11.9	167.0	265
501085	5 G 2.5	13.0	200.0	325
501086	6 G 2.5	14.3	256.0	395
501087	7 G 2.5	14.3	288.0	399
501812	12 G 2.5	18.6	477.3	667
500092	2 X 4.0	12.8	120.0	284
501093	3 G 4.0	13.5	163.0	331
501094	4 G 4.0	14.9	237.0	411
501095	5 G 4.0	16.1	280.0	496
500102	2 X 6.0	14.4	180.0	365
501103	3 G 6.0	15.2	270.0	433
501104	4 G 6.0	16.4	318.0	524
501105	5 G 6.0	18.1	441.0	652
500112	2 X 10	17.1	256.0	533
501113	3 G 10	18.1	362.4	646
501114	4 G 10	20.1	558.0	807
501115	5 G 10	22.2	595.0	1012
500122	2 G 16	20.0	390.0	753
501124	4 G 16	23.4	804.0	1154

\* 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

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