

## Increased mechanical and chemical resistance

SAPFLEX KABEL

CONTROL FLEX - P  
SPECIAL POLYURETHANE SHEATH (PUR)

RoHS

## CONTROL FLEX P

PUR Insulated, Numbered, PUR Sheath

### Technical data


**Core identification code**
Black with white numbers based on:  
VDE 0293
**Conductor Stranding**
fine wire base to  
VDE 0295 C1.5/IEC 60228 C1.5
**Protective conductor**
G=with protective conductor GN/YE  
X=without protective conductor
**Rated voltage**
U<sub>o</sub>/U: 300/500 V
**Specific insulation resistance**

&gt; 20 GOhm x cm


**Minimum bending radius**
occasional flexing: 15 x cable diameter  
fixed installation: 4 x cable diameter
**Range of temperature**
Flexing: -40 ° C to +90 ° C  
fixed installation: -50 ° C to +90 ° C
**Test voltage**

3000V

### Benefits

- \* Protects against water and dirt
- \* Fire: low corrosive smoke emission
- \* Cold flexible
- \* Wear-resistant

### Approvals (Norm references)

- \* Using RoHS compliances compounds
- \* CE

### Product Make-UP

- \* Tinned copper wire bunched conductor
- \* Core insulation: PUR
- \* Special polyurethane sheath (PUR)
- \* Silver grey (RAL 7001)

### Product features

- \* Oil resistant and adhesion-free
- \* Abrasion and cut resistant
- \* Halogen-free
- \* Flame-retardant (IEC 60332.1-2)

### Application range

- \* Construction machinery
- \* Machine tools
- \* Especially in wet area of machine tools and transfer lines under normal mechanical
- \* Production plants
- \* Indoors and outdoors

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 - P; U<sub>o</sub> / U: 300 / 500 V</b>				
1600042	2 X 0.5	6.2	9.6	46
1601043	3 G 0.5	6.5	14.4	54
1601044	4 G 0.5	7.1	19.2	65
1601045	5 G 0.5	7.9	24.0	83
1601047	7 G 0.5	8.5	33.6	98
1601412	12 G 0.5	11.3	58.0	173
1601418	18 G 0.5	13.1	86.4	239
1601425	25 G 0.5	15.2	120.0	325
1600052	2 X 0.75	6.6	14.4	54
1601053	3 G 0.75	7.0	21.6	65
1601054	4 G 0.75	7.6	28.8	79
1601055	5 G 0.75	8.4	36.0	101
1601057	7 G 0.75	9.1	50.4	121
1601512	12 G 0.75	12.2	86.4	215
1601518	18 G 0.75	14.1	129.6	299
1601525	25 G 0.75	16.4	180.0	409
1600062	2 X 1.0	7.3	19.2	69
1601063	3 G 1.0	7.8	29.0	82
1601064	4 G 1.0	8.5	38.4	101
1601065	5 G 1.0	9.2	48.0	126
1601067	7 G 1.0	10.4	67.0	160
1601612	12 G 1.0	13.7	115.0	277
1601618	18 G 1.0	16.0	173.0	397
1601625	25 G 1.0	18.6	240.0	535
1600072	2 X 1.5	7.9	29.0	83
1601073	3 G 1.5	8.3	43.0	101
1601074	4 G 1.5	9.1	58.0	125
1601075	5 G 1.5	9.9	72.0	156
1601077	7 G 1.5	10.8	101.0	191
1601712	12 G 1.5	14.8	173.0	348
1601718	18 G 1.5	17.5	259.0	499
1601725	25 G 1.5	20.8	360.0	703
1601083	3 G 2.5	9.7	72.0	147
1601084	4 G 2.5	10.6	96.0	183
1601085	5 G 2.5	12.0	120.0	239
1601087	7 G 2.5	13.1	168.0	294
1601812	12 G 2.5	18.0	288.0	537

\* 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)