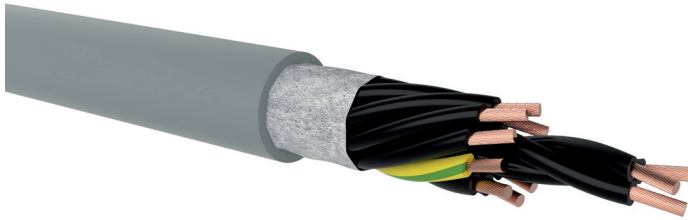


# FLEXICS® 11

PVC/PUR control cable, unshielded

## DESIGN



- 1 | Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
- 2 | Core insulation of special compound based on polyvinyl chloride (PVC)
- 3 | Cores are stranded in layers with optimal lay-length
- 4 | Non-woven tape separation (optional)
- 5 | Special polyurethane (PUR) outer sheath, colour: grey (RAL 7001)

## APPLICATION

Power, control and connecting cable for fixed laying and flexible applications, especially in wet areas of machine tools and transfer lines without mechanical stress and guided movements. Outdoor use only when protected from direct exposure to sunlight in accordance with the indicated temperature range.

## TECHNICAL DATA



**Standard:**  
based on VDE 0285



**Rated voltage:**  
300/500 V (U<sub>0</sub>/U)



**Test voltage:**  
core / core 4000 V / 50 Hz



**Temperature range:**  
fixed installation: -40 °C up to 80 °C  
flexible use: -5 °C up to 70 °C



**Bending radius (min.):**  
fixed installation: 4 x Ø of cable  
flexible use: 12.5 x Ø of cable



**Core identification:**  
black (continuously numbered), from 3 cores with green/yellow ground conductor

Number of cores x nominal cross-section (mm <sup>2</sup> )	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
<b>FLEXICS® 11</b>			
3 G 0.5	5.1	14.4	55
4 G 0.5	5.7	19.2	62
5 G 0.5	6.2	24.0	75
7 G 0.5	7.2	33.6	90
10 G 0.5	8.8	48.0	120
12 G 0.5	9.1	58.0	135
18 G 0.5	10.7	86.4	205
25 G 0.5	13.2	120.0	270
34 G 0.5	14.7	163.0	380
42 G 0.5	15.8	202.0	415
2 x 0.75	5.4	14.4	44
3 G 0.75	5.7	21.6	53
4 G 0.75	6.2	29.0	64
5 G 0.75	6.8	36.0	76
7 G 0.75	8.1	50.0	96
10 G 0.75	9.6	72.0	140
12 G 0.75	9.9	86.0	170
18 G 0.75	11.9	130.0	260

## FLEXICS® 11

PVC/PUR control cable, unscreened

Number of cores x nominal cross-section (mm <sup>2</sup> )	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
<b>FLEXICS® 11</b>			
25 G 0.75	14.5	180.0	282
34 G 0.75	16.3	245.0	475
42 G 0.75	17.7	302.0	600
2 x 1	6.9	19.2	72
3 G 1	7.3	29.0	85
4 G 1	8.1	38.4	106
5 G 1	9.0	48.0	130
7 G 1	9.8	67.0	162
10 G 1	12.8	96.0	242
12 G 1	13.0	115.0	265
18 G 1	15.5	173.0	386
25 G 1	18.7	240.0	532
34 G 1	21.5	326.0	750
42 G 1	25.6	480.0	1100
50 G 1	27.5	586.0	1266
2 x 1.5	6.2	28.8	68
3 G 1.5	6.6	43.0	87
4 G 1.5	7.2	58.0	106
5 G 1.5	8.2	72.0	131
7 G 1.5	9.8	101.0	173
12 G 1.5	12.0	173.0	293
18 G 1.5	14.5	259.0	454
25 G 1.5	17.8	360.0	641
30 G 1.5	18.0	410.0	800
2 x 2.5	7.8	48.0	110
3 G 2.5	8.3	72.0	146
4 G 2.5	9.2	96.0	183
5 G 2.5	10.1	120.0	222
7 G 2.5	12.3	168.0	293
12 G 2.5	15.3	288.0	512
4 G 4	11.0	154.0	291
5 G 4	12.7	192.0	355
7 G 4	14.0	269.0	503
4 G 6	13.4	230.0	468
5 G 6	14.9	288.0	570
7 G 6	16.5	403.0	808
4 G 10	16.9	384.0	720
5 G 10	18.7	480.0	894
7 G 10	20.9	672.0	1295
4 G 16	19.8	614.0	1063