We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® 11

PVC/PUR control cable, unscreened

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

Test Voltage
4000 V / 50 Hz

Rated Voltage
300/500 V (Uo/U)

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

Temperature range
Fixed installation: -40°C up to 80°C
Flexible use: -5°C up to 70°C

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)

Number of cores x nominal cross-section (mm²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
2 x 0.5	4.8	9.6	45
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	75
7 G 0.5	7.2	33.6	90
10 G 0.5	8.8	48	120
12 G 0.5	9.1	58	135
18 G 0.5	10.7	86.4	205
25 G 0.5	13.2	120	270
34 G 0.5	14.7	163	380
42 G 0.5	15.8	202	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	64
5 G 0.75	6.8	36	76
5 G 0.75	6.8	36	76
10 G 0.75	9.6	72	140
12 G 0.75	9.9	86	170
18 G 0.75	11.9	130	260
25 G 0.75	14.5	180	282
34 G 0.75	16.3	245	475
42 G 0.75	17.7	302	600
2 x 1	6.9	19.2	72
3 G 1	7.3	29	85
4 G 1	8.1	38.4	106
5 G 1	9.0	48	130
7 G 1	9.8	67	162
10 G 1	12.8	96	242
12 G 1	13.0	115	265
18 G 1	15.5	173	386
25 G 1	18.7	240	532
34 G 1	21.5	326	750
42 G 1	25.6	480	1100
50 G 1	27.5	586	1266
2 x 1.5	6.2	28.8	68
3 G 1.5	6.6	43	87
4 G 1.5	7.2	58	106
5 G 1.5	8.2	72	131
7 G 1.5	9.8	101	173
12 G 1.5	12.0	173	293
18 G 1.5	14.5	259	454
25 G 1.5	17.8	360	641
30 G 1.5	18.0	410	800
2 x 2.5	7.8	48	110

Number of cores x nominal cross-section (mm²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
3 G 2.5	8.3	72	146
4 G 2.5	9.2	96	183
5 G 2.5	10.1	120	222
7 G 2.5	12.3	168	293
12 G 2.5	15.3	288	512
4 G 4	11.0	154	291
5 G 4	12.7	192	355
7 G 4	14.0	269	503
4 G 6	13.4	230	468
5 G 6	14.9	288	570
7 G 6	16.5	403	808
4 G 10	16.9	384	720
5 G 10	18.7	480	894
7 G 10	20.9	672	1295
4 G 16	19.8	614	1063

Technical changes reserved. All figures are therefore without guarantee.

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