



We Make Modern
Life Possible

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® 11

PVC/PUR control cable, unscreened



TECHNICAL DATA



Standard
Based on VDE 0285



Test Voltage
4000 V / 50 Hz



Rated Voltage
300/500 V (U₀/U)



Bending radius (min.)
Fixed installation: 4 x ϕ of cable
Flexible use: 12.5 x ϕ 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

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