



We Make Modern
Life Possible

INDUSTRIAL 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 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)	Total weight appr. (kg/km)
2 x 0.5	4.8	45
3 G 0.5	5.1	55
4 G 0.5	5.7	62
5 G 0.5	6.2	75
7 G 0.5	7.2	90
10 G 0.5	8.8	120
12 G 0.5	9.1	135
18 G 0.5	10.7	205
25 G 0.5	13.2	270
34 G 0.5	14.7	380
42 G 0.5	15.8	415
2 x 0.75	5.4	44
3 G 0.75	5.7	53
4 G 0.75	6.2	64
5 G 0.75	6.8	76
5 G 0.75	6.8	76
10 G 0.75	9.6	140
12 G 0.75	9.9	170
18 G 0.75	11.9	260
25 G 0.75	14.5	282
34 G 0.75	16.3	475
42 G 0.75	17.7	600
2 x 1	6.9	72
3 G 1	7.3	85
4 G 1	8.1	106
5 G 1	9.0	130
7 G 1	9.8	162
10 G 1	12.8	242
12 G 1	13.0	265
18 G 1	15.5	386
25 G 1	18.7	532
34 G 1	21.5	750
42 G 1	25.6	1100
50 G 1	27.5	1266
2 x 1.5	6.2	68
3 G 1.5	6.6	87
4 G 1.5	7.2	106
5 G 1.5	8.2	131
7 G 1.5	9.8	173
12 G 1.5	12.0	293
18 G 1.5	14.5	454
25 G 1.5	17.8	641
30 G 1.5	18.0	800
2 x 2.5	7.8	110



Number of cores x nominal cross-section (mm ²)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
3 G 2.5	8.3	146
4 G 2.5	9.2	183
5 G 2.5	10.1	222
7 G 2.5	12.3	293
12 G 2.5	15.3	512
4 G 4	11.0	291
5 G 4	12.7	355
7 G 4	14.0	503
4 G 6	13.4	468
5 G 6	14.9	570
7 G 6	16.5	808
4 G 10	16.9	720
5 G 10	18.7	894
7 G 10	20.9	1295
4 G 16	19.8	1063

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