We Make Modern Life Possible.

INDUSTRIAL 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)	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 (mm²)	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

Technical changes reserved. All figures are therefore without guarantee.

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