We Make Modern Life Possible.



INDUSTRIAL CABLES

FLEXICS® 11C

PVC/PUR control cable, screened

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 and in accordance with the indicated temperature range. Especially when excellent EMC behavior is requested.

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: 6 x Ø of cable
Flexible use: 20 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
5. Inner sheath of special compound based on polyvinyl chloride (PVC)
6. Tinned copper wire braiding
7. Non-woven tape separation over braiding (optional)
8. 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 0.75	7.4	85
3 G 0.75	7.9	99
4 G 0.75	8.4	114
5 G 0.75	8.9	130
7 G 0.75	9.7	161
12 G 0.75	12.3	245
18 G 0.75	14.5	354
25 G 0.75	16.6	463
34 G 0.75	18.9	598
41 G 0.75	20.6	725
2 x 1	7.9	97
3 G 1	8.2	111
4 G 1	8.7	129
5 G 1	9.5	152
7 G 1	10.2	184
12 G 1	13.3	306
18 G 1	15.5	417
25 G 1	17.5	541
34 G 1	20.3	735
41 G 1	22.0	860
2 x 1.5	8.5	116
3 G 1.5	8.9	135
4 G 1.5	9.6	162
5 G 1.5	10.3	187
7 G 1.5	11.3	236
12 G 1.5	14.8	392
18 G 1.5	17.2	536
25 G 1.5	20.1	742
34 G 1.5	21.9	960
41 G 1.5	24.7	1118
3 G 2.5	10.3	191
4 G 2.5	11.3	232
5 G 2.5	12.6	282
7 G 2.5	13.9	370
12 G 2.5	17.2	580
4 G 4	13.4	345
5 G 4	14.7	412
4 G 6	15.8	483
5 G 6	17.3	576
4 G 10	19.0	733
4 G 16	22.2	1340

Technical changes reserved. All figures are therefore without guarantee.



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