We Make Modern Life Possible.

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)	Cu-value (kg/km)	Total weight appr. (kg/km)
2 x 0.75	7.4	45	85
3 G 0.75	7.9	52	99
4 G 0.75	8.4	77	114
5 G 0.75	8.9	84	130
7 G 0.75	9.7	92	161
12 G 0.75	12.3	138	245
18 G 0.75	14.5	219	354
25 G 0.75	16.6	277	463
34 G 0.75	18.9	420	598
41 G 0.75	20.6	500	725
2 x 1	7.9	50	97
3 G 1	8.2	77	111
4 G 1	8.7	87	129
5 G 1	9.5	90	152
7 G 1	10.2	110	184
12 G 1	13.3	194	306
18 G 1	15.5	267	417
25 G 1	17.5	379	541
34 G 1	20.3	516	735
41 G 1	22.0	610	860
2 x 1.5	8.5	77	116
3 G 1.5	8.9	85	135
4 G 1.5	9.6	100	162
5 G 1.5	10.3	120	187
7 G 1.5	11.3	152	236
12 G 1.5	14.8	267	392
18 G 1.5	17.2	400	536
25 G 1.5	20.1	572	742
34 G 1.5	21.9	754	960
41 G 1.5	24.7	874	1118
3 G 2.5	10.3	121	191
4 G 2.5	11.3	163	232
5 G 2.5	12.6	199	282
7 G 2.5	13.9	261	370
12 G 2.5	17.2	470	580
4 G 4	13.4	238	345
5 G 4	14.7	279	412
4 G 6	15.8	318	483
5 G 6	17.3	370	576
4 G 10	19.0	558	733
4 G 16	22.2	804	1340

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

Dipl. Ing. Peter Tomka

+421 37 6969631
peter.tomka@ics-cables.sk