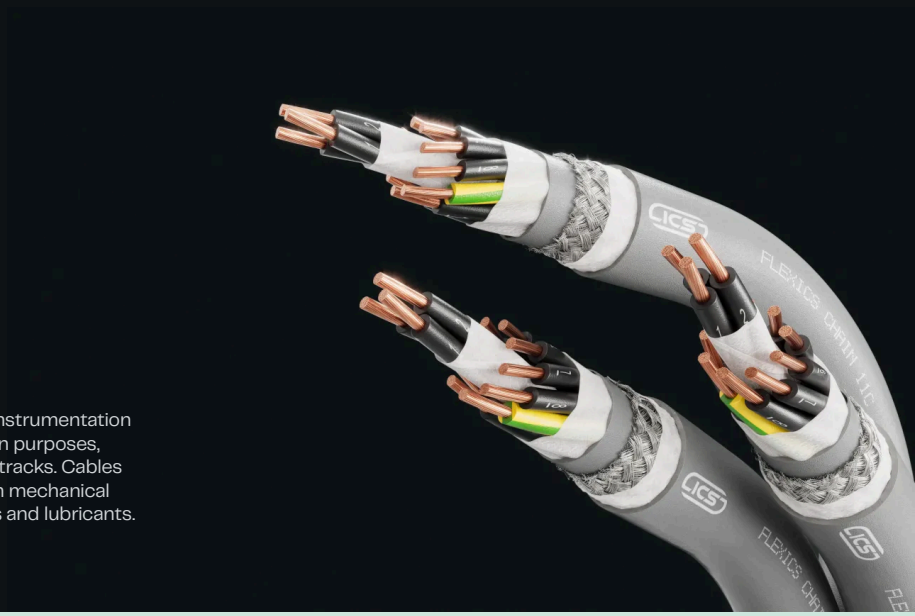
We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® CHAIN 11C

PVC/PUR drag chain cable, screened

Extremely flexible PVC/PUR control cable for transmission of instrumentation and control signals for machine building and plant construction purposes, especially for continuous moving machine parts, e.g. within C-tracks. Cables are designed for indoor applications when exposed to medium mechanical stress. Resistant against a wide range of oils, greases, coolants and lubricants. 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 cycles
5 million

Bending radius (min.)
Fixed installation: 7.5 x Ø of cable
Flexible use: 10 x Ø of cable

Fire properties
EN 60332-1-2: self-extinguishing and flame retardant

Core identification
Black (continuously numbered), from 3 cores with green/yellow ground conductor

Temperature range
Fixed installation: -30°C up to 80°C
Flexible use: -5°C up to 70°C

DESIGN



1. Bare copper conductors, super fine wires class 6 according to DIN EN 60228 / VDE 0295 / IEC 60228
2. Core insulation of special compound based on polyvinyl chloride (PVC)
3. Cores stranded in layers with short lay-lengths
4. Non-woven wrapping over each stranding layer
5. Inner sheath of special compound based on polyvinyl chloride (PVC)
6. Tinned copper wire braiding
7. Non-woven wrapping over braiding
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 0.5	6.9	33	70
3 G 0.5	7.3	39	80
4 G 0.5	7.9	46	94
5 G 0.5	8.5	54	106
7 G 0.5	9.8	70	139
12 G 0.5	11.5	100	194
18 G 0.5	13.4	153	182
25 G 0.5	15.9	202	390
2 x 0.75	7.3	39	80
3 G 0.75	7.8	48	92
4 G 0.75	8.4	59	112
5 G 0.75	9.0	69	124
7 G 0.75	10.7	90	168
12 G 0.75	12.5	129	253
18 G 0.75	14.9	205	356
25 G 0.75	17.4	271	479
2 x 1	7.7	46	92
3 G 1	8.2	57	100
4 G 1	8.9	70	129
5 G 1	9.8	81	154
7 G 1	11.4	110	198
12 G 1	13.4	182	300
18 G 1	16.1	254	429
25 G 1	18.8	365	590
34 G 1	23.3	478	825
41 G 1	25.1	576	980
50 G 1	27.6	702	1160
65 G 1	30.7	913	1670
2 x 1.5	8.4	58	112
3 G 1.5	9.0	75	133
4 G 1.5	9.9	91	162
5 G 1.5	10.9	112	188
7 G 1.5	12.7	145	251
12 G 1.5	15.2	247	378
18 G 1.5	17.8	348	536
25 G 1.5	21.2	498	766
34 G 1.5	26.1	702	1180
42 G 1.5	27.8	867	1458
50 G 1.5	30.3	1033	1857
3 G 2.5	11.0	119	198
4 G 2.5	11.9	161	233
5 G 2.5	13.2	194	294
7 G 2.5	15.8	262	399
12 G 2.5	20.4	410	582

Number of cores x nominal cross-section (mm²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
18 G 2.5	24.0	562	989
25 G 2.5	28.2	778	1400
4 G 4	13.7	238	348
5 G 4	15.3	280	420
7 G 4	20.0	352	651
4 G 6	16.1	318	499
7 G 6	23.0	528	844
3 G 10	20.4	370	855
4 G 10	23.0	485	1140
5 G 10	25.3	610	1310
7 G 10	28.0	820	1630
4 G 16	26.2	840	1391
5 G 16	28.6	1050	1810

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

Dipl. Ing. Peter Tomka

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

