We Make Modern Life Possible.

FLEXICS® CHAIN 11

PVC/PUR drag chain cable, unscreened

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. FLEXICS® CHAIN 11 cables are designed for indoor applications when exposed to medium mechanical stress. Resistant against a wide range of oils, greases, coolants and lubricants.



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. 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	5.3	9.7	31
3 G 0.5	5.7	14.4	39
4 G 0.5	6.3	19	51
5 G 0.5	6.7	24	62
7 G 0.5	8.0	33.6	90
12 G 0.5	9.6	58	125
18 G 0.5	11.5	86	191
25 G 0.5	14.2	120	280
2 x 0.75	5.7	14.4	38
3 G 0.75	6.2	21.6	50
4 G 0.75	6.8	29	64
5 G 0.75	7.4	36	78
7 G 0.75	8.9	50	115
12 G 0.75	10.5	86	166
18 G 0.75	12.7	130	249
25 G 0.75	15.6	180	356
2 x 1	6.0	19.2	44
3 G 1	6.6	29	59
4 G 1	7.3	38.4	76
5 G 1	7.9	48	94
7 G 1	9.6	67	141
12 G 1	11.4	115	201
18 G 1	13.9	173	310
25 G 1	17.4	240	490
34 G 1	18.4	326	776
41 G 1	19.7	394	925
50 G 1	21.7	4802	1092
65 G 1	30.9	624	1400
2 x 1.5	6.7	28.8	59
3 G 1.5	7.4	43	78
4 G 1.5	8.1	58	100
5 G 1.5	9.1	72	128
7 G 1.5	10.8	101	189
12 G 1.5	13.0	173	269
18 G 1.5	15.6	259	415
25 G 1.5	19.4	360	628
34 G 1.5	20.6	490	1048
42 G 1.5	22.4	605	1290
50 G 1.5	24.2	720	1520
3 G 2.5	9.0	72	126
4 G 2.5	10.0	96	158
5 G 2.5	11.2	120	201
7 G 2.5	13.5	168	295
12 G 2.5	16.0	288	436

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	20.4	432	696
25 G 2.5	24.7	600	1042
3 G 4	10.6	115	175
4 G 4	12.0	154	224
5 G 4	13.5	192	292
7 G 4	18.6	269	440
3 G 6	13.0	173	276
4 G 6	14.2	230	352
7 G 6	19.8	403	608
3 G 10	16.2	288	660
4 G 10	18.1	384	750
5 G 10	20.3	480	990
7 G 10	24.3	672	1300
4 G 16	21.1	614	1200
5 G 16	23.5	768	1500

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

Dipl. Ing. Peter Tomka

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

