



We Make
Modern Life
Possible



FLEXICS® CHAIN C

PVC/PVC drag chain cable, screened

AUTOMATION AND MOTOR SUPPLY CABLES

Extremely flexible PVC/PVC 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 C cables are designed for indoor applications when exposed to medium mechanical stress, 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 (U₀/U)



Bending cycles

3 million



Bending radius (min.)

Fixed installation: 7.5 x ϕ of cable

Flexible use: 10 x ϕ 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 tape separation over braiding (optional)
- 8 Outer sheath of special compound based on polyvinyl chloride (PVC), colour: grey (RAL 7001)

Number of cores x nominal cross-section (mm ²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
2 x 0.5	6.9	33	73
3 G 0.5	7.3	39	84
4 G 0.5	7.9	46	98
5 G 0.5	8.6	54	110
7 G 0.5	9.8	70	141
12 G 0.5	11.5	100	201
18 G 0.5	13.4	153	285
25 G 0.5	15.9	202	394
2 x 0.75	7.3	39	85
3 G 0.75	7.8	48	98
4 G 0.75	8.4	59	116
5 G 0.75	9	69	128
7 G 0.75	10.7	90	178
12 G 0.75	12.5	129	253
18 G 0.75	14.9	205	367
25 G 0.75	17.4	271	496
2 x 1	7.7	46	97
3 G 1	8.2	57	116
4 G 1	8.9	70	134
5 G 1	9.8	81	154
7 G 1	11.4	110	207
12 G 1	13.4	182	314
18 G 1	16.1	254	443
25 G 1	18.8	365	612
2 x 1.5	8.4	58	117
3 G 1.5	9	75	139
4 G 1.5	9.9	91	169
5 G 1.5	10.9	112	201
7 G 1.5	12.7	145	262
12 G 1.5	15.2	247	404
18 G 1.5	17.8	348	560
25 G 1.5	21.2	498	788
3 G 2.5	11	119	206
4 G 2.5	11.9	161	244
5 G 2.5	13.2	194	306
7 G 2.5	15.8	262	418
12 G 2.5	20.4	410	690
18 G 2.5	24	562	994
25 G 2.5	28.2	778	1420
4 G 4	13.7	238	360
5 G 4	15.3	280	430
7 G 4	20	352	670
4 G 6	16.1	318	514
7 G 6	23	528	862

CONTACT PERSON

Dipl. Ing. Peter Tomka
+421 37 6969631
peter.tomka@ics-cables.sk

