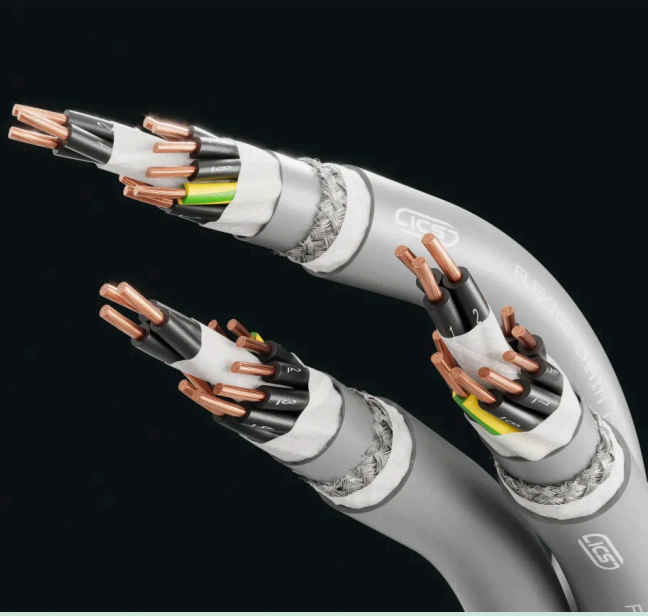
We Make Modern Life Possible.



AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® CHAIN C

PVC/PVC drag chain cable, screened

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 (Uo/U)

Bending cycles
3 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 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 (mm²)	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	9.0	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	9.0	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	11.0	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	24.0	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	20.0	352	670
4 G 6	16.1	318	514
7 G 6	23.0	528	862

Technical changes reserved. All figures are therefore without guarantee.



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