We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® CHAIN

PVC/PVC drag chain cable, unscreened

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 cables are designed for indoor applications when exposed to medium mechanical stress.



TECHNICAL DATA

Standard
Based on VDE 0285

Test Voltage
4000 V / 50 Hz

Rated Voltage
300/500 V (Uo/U)

Bending cycles
3 million

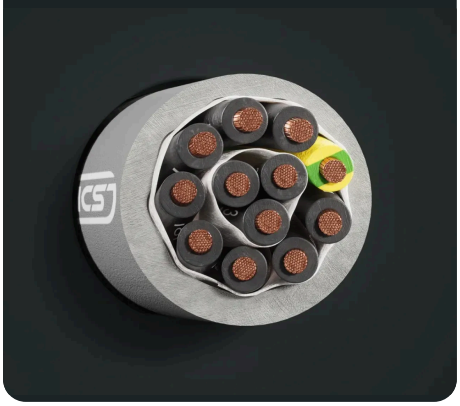
Bending radius (min.)
Fixed installation: 7.5 x Ø of cable
Flexible use: 10 x Ø of cable

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 together in short lay-lengths
4. Non-woven wrapping over each stranding layer
5. 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	5.2	9.7	32
3 G 0.5	5.5	14.4	41
4 G 0.5	6.1	19	52
5 G 0.5	6.6	24	64
7 G 0.5	8.0	33.6	92
12 G 0.5	9.6	58	128
18 G 0.5	11.5	86	195
25 G 0.5	14.2	120	284
2 x 0.75	5.7	14.4	39
3 G 0.75	6.2	21.6	51
4 G 0.75	6.8	29	65
5 G 0.75	7.4	36	80
7 G 0.75	8.9	50	117
12 G 0.75	10.5	86	169
18 G 0.75	12.7	130	254
25 G 0.75	15.8	180	376
2 x 1	6.0	19.2	46
3 G 1	6.6	29	60
4 G 1	7.3	38.4	78
5 G 1	7.9	48	96
7 G 1	9.6	67	144
12 G 1	11.4	115	205
18 G 1	13.9	173	314
25 G 1	17.6	240	498
2 x 1.5	6.7	28.8	60
3 G 1.5	7.4	43	80
4 G 1.5	8.1	48	102
5 G 1.5	9.1	72	130
7 G 1.5	10.8	101	192
12 G 1.5	13.0	173	273
18 G 1.5	15.6	259	417
25 G 1.5	19.8	360	632
3 G 2.5	9.0	72	128
4 G 2.5	10.0	96	161
5 G 2.5	11.2	120	205
7 G 2.5	13.5	168	300
12 G 2.5	16.0	288	440
18 G 2.5	20.4	432	703
25 G 2.5	24.7	600	1054
3 G 4	10.6	115	176
4 G 4	11.8	154	227
5 G 4	13.5	192	298
7 G 4	18.6	269	446
3 G 6	13.0	173	280

Number of cores x nominal cross-section (mm^2)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
4 G 6	14.2	230	358
7 G 6	19.8	403	614

Technical changes reserved. All figures are therefore without guarantee.



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