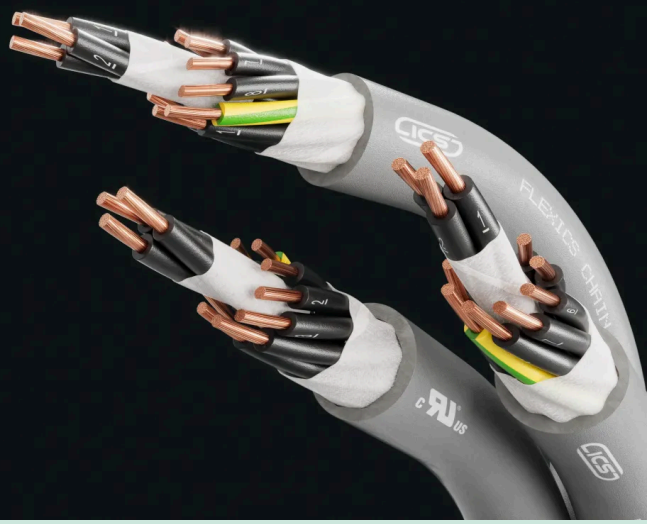
We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® CHAIN UL/c(UL)

UL recognized 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 UL/c(UL) cables are designed for indoor applications when exposed to medium mechanical stress.



TECHNICAL DATA

Standard
Based on VDE 0285

Certificate
UL AWM 20886
CSA C22.2 No. 210-11, AWM

Test Voltage
4000 V / 50 Hz

Rated Voltage
300/500 V (Uo/U)
1000 V (UL/CSA)

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
UL: vertical flame test VW-1 cable flame test
CSA: FT1

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. 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	5.5	9.7	42
3 G 0.5	5.9	14.4	52
4 G 0.5	6.6	19	60
5 G 0.5	7.2	24	72
7 G 0.5	8.7	33.6	106
12 G 0.5	10.5	58	150
18 G 0.5	12.5	86	231
25 G 0.5	15.0	120	316
2 x 0.75	6.1	14.4	51
3 G 0.75	6.6	21.6	63
4 G 0.75	7.3	29	75
5 G 0.75	8.0	36	90
7 G 0.75	9.6	50	132
12 G 0.75	11.6	86	201
18 G 0.75	13.9	130	300
25 G 0.75	16.6	180	415
2 x 1	6.4	19.2	58
3 G 1	7.0	29	72
4 G 1	7.8	38.4	88
5 G 1	8.5	48	106
7 G 1	10.3	67	159
12 G 1	12.4	115	237
18 G 1	15.1	173	358
25 G 1	18.3	240	536
2 x 1.5	7.0	28.8	72
3 G 1.5	7.7	43	93
4 G 1.5	8.8	58	122
5 G 1.5	9.6	72	147
7 G 1.5	11.6	101	219
12 G 1.5	13.9	173	322
18 G 1.5	16.9	259	478
25 G 1.5	20.1	360	670
3 G 2.5	9.0	72	130
4 G 2.5	10.0	96	165
5 G 2.5	11.0	120	210
7 G 2.5	13.4	168	308
12 G 2.5	15.9	288	446
18 G 2.5	20.4	432	718
25 G 2.5	24.7	600	1070
3 G 4	10.6	115	192
4 G 4	11.8	154	243
5 G 4	13.3	192	325
7 G 4	18.5	269	469
3 G 6	12.8	173	290

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	14.0	230	368
7 G 6	19.8	403	620

Technical changes reserved. All figures are therefore without guarantee.



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