We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® CHAIN C UL/c(UL)



UL recognized 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. Cables are designed for indoor applications when exposed to medium mechanical stress. Resistant against a wide range of oils, greases, coolants and lubricants. Especially when excellent EMC behavior is requested.

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. 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	7.5	33	78
3 G 0.5	7.9	39	89
4 G 0.5	8.5	46	102
5 G 0.5	9.2	54	127
7 G 0.5	10.9	70	177
12 G 0.5	12.6	100	234
18 G 0.5	15.5	153	381
25 G 0.5	17.7	202	472
2 x 0.75	7.8	39	94
3 G 0.75	8.2	48	105
4 G 0.75	8.9	59	123
5 G 0.75	10.0	69	155
7 G 0.75	11.6	90	206
12 G 0.75	13.8	129	304
18 G 0.75	16.3	205	425
25 G 0.75	18.6	271	548
2 x 1	8.2	46	106
3 G 1	8.6	57	123
4 G 1	9.4	70	141
5 G 1	10.6	81	178
7 G 1	12.3	110	233
12 G 1	14.6	182	362
18 G 1	17.6	254	501
25 G 1	20.2	265	667
2 x 1.5	9.0	58	127
3 G 1.5	9.7	75	152
4 G 1.5	10.6	91	187
5 G 1.5	11.4	112	218
7 G 1.5	13.8	145	320
12 G 1.5	16.3	247	460
18 G 1.5	19.5	348	677
25 G 1.5	23.6	498	926
3 G 2.5	11.0	119	208
4 G 2.5	11.8	161	244
5 G 2.5	13.0	194	306
7 G 2.5	15.8	262	428
12 G 2.5	20.0	410	682
18 G 2.5	24.0	562	994
25 G 2.5	28.3	778	1422
4 G 4	14.0	238	365
5 G 4	15.3	280	430
7 G 4	19.8	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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