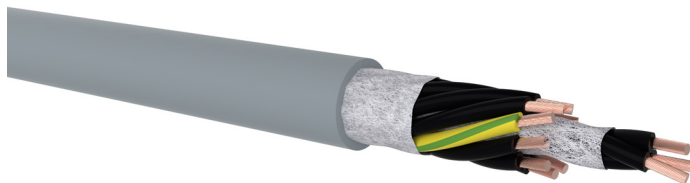


# FLEXICS® CHAIN UL/c(UL)

UL recognized PVC/PVC drag chain cable, unshielded

## 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)

## APPLICATION

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



**Rated voltage:**  
300/500 V (U<sub>0</sub>/U)  
1000 V (UL/CSA)



**Test voltage:**  
core / core                      4000 V / 50 Hz



**Temperature range:**  
fixed installation:            -30 °C up to 80 °C  
flexible use:                    -5 °C up to 70 °C



**Bending radius (min.):**  
fixed installation:            7.5 x Ø of cable  
flexible use:                    10 x Ø of cable



**Core identification:**  
black (continuously numbered), from 3 cores with green/yellow ground conductor



**Fire properties:**  
EN 60332-1-2: self-extinguishing and flame retardant  
UL: vertical flame test VW-1, cable flame test  
CSA: FT1



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



**Bending cycles:**  
3 million  
for detailed application in drag chains see  
“General Technical Information” section

Number of cores x nominal cross-section (mm <sup>2</sup> )	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
<b>FLEXICS® CHAIN UL/c(UL)</b>			
2 x 0.5	5.5	9.7	42
3 G 0.5	5.9	14.4	52
4 G 0.5	6.6	19.0	60
5 G 0.5	7.2	24.0	72
7 G 0.5	8.7	33.6	106
12 G 0.5	10.5	58.0	150
18 G 0.5	12.5	86.0	231
25 G 0.5	15.0	120.0	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	29.0	75
5 G 0.75	8.0	36.0	90
7 G 0.75	9.6	50.0	132

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Number of cores x nominal cross-section (mm <sup>2</sup> )	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
<b>FLEXICS® CHAIN UL/c(UL)</b>			
12 G 0.75	11.6	86.0	201
18 G 0.75	13.9	130.0	300
25 G 0.75	16.6	180.0	415
2 x 1	6.4	19.2	58
3 G 1	7.0	29.0	72
4 G 1	7.8	38.4	88
5 G 1	8.5	48.0	106
7 G 1	10.3	67.0	159
12 G 1	12.4	115.0	237
18 G 1	15.1	173.0	358
25 G 1	18.3	240.0	536
2 x 1.5	7.0	28.8	72
3 G 1.5	7.7	43.0	93
4 G 1.5	8.8	58.0	122
5 G 1.5	9.6	72.0	147
7 G 1.5	11.6	101.0	219
12 G 1.5	13.9	173.0	322
18 G 1.5	16.9	259.0	478
25 G 1.5	20.1	360.0	670
3 G 2.5	9.0	72.0	130
4 G 2.5	10.0	96.0	165
5 G 2.5	11.0	120.0	210
7 G 2.5	13.4	168.0	308
12 G 2.5	15.9	288.0	446
18 G 2.5	20.4	432.0	718
25 G 2.5	24.7	600.0	1070
3 G 4	10.6	115.0	192
4 G 4	11.8	154.0	243
5 G 4	13.3	192.0	325
7 G 4	18.5	269.0	469
3 G 6	12.8	173.0	290
4 G 6	14.0	230.0	368
7 G 6	19.8	403.0	620

Technical changes reserved. All figures are therefore without guarantee.

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