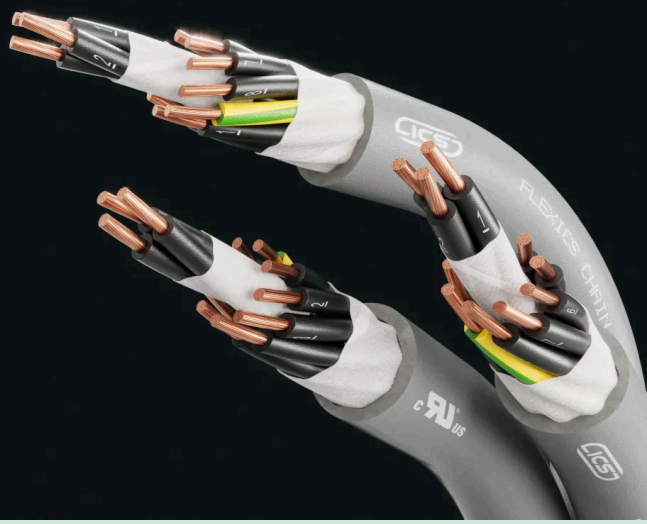
We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® CHAIN 11 UL/c(UL)



UL recognized PVC/PUR drag chain cable, unscreened

Extremely flexible PVC/PUR 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 11 UL/c(UL) cables are designed for both indoor and outdoor applications when exposed to high mechanical stress. Resistant against a wide range of oils, greases, coolants and lubricants.

TECHNICAL DATA

Standard
Based on VDE 0285

Certificate
UL AWM Style 20234
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
5 million

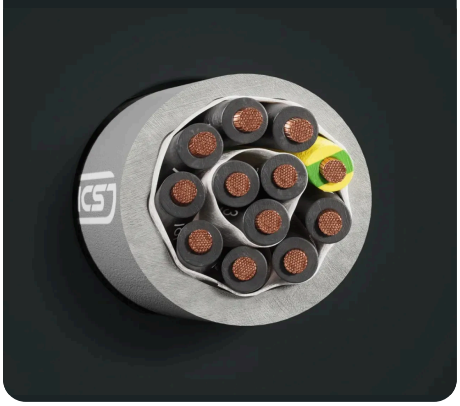
Bending radius (min.)
Fixed installation: 7.5 x Ø of cable
Flexible use: 10 x Ø of cable

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. Special polyurethane (PUR) outer sheath, 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	6.5	9.7	46
3 G 0.5	6.8	14.4	55
4 G 0.5	7.5	19	69
5 G 0.5	8.0	24	85
7 G 0.5	9.8	33.6	117
12 G 0.5	10.8	58	155
18 G 0.5	12.7	86	224
25 G 0.5	15.2	120	328
2 x 0.75	6.8	14.4	54
3 G 0.75	7.3	21.6	66
4 G 0.75	8.0	29	82
5 G 0.75	8.7	36	101
7 G 0.75	10.7	50	142
12 G 0.75	11.7	86	196
18 G 0.75	13.9	130	282
25 G 0.75	16.6	180	404
2 x 1	7.1	19.2	60
3 G 1	7.7	29	75
4 G 1	8.5	38.4	94
5 G 1	9.2	48	117
7 G 1	11.4	67	168
12 G 1	12.6	115	231
18 G 1	15.1	173	343
25 G 1	18.4	240	538
2 x 1.5	7.7	28.8	78
3 G 1.5	8.4	43	98
4 G 1.5	9.3	58	125
5 G 1.5	10.1	72	151
7 G 1.5	11.9	101	221
12 G 1.5	13.9	173	318
18 G 1.5	16.9	259	484
25 G 1.5	20.1	360	671
3 G 2.5	9.3	72	134
4 G 2.5	10.3	96	170
5 G 2.5	11.3	120	205
7 G 2.5	13.4	168	295
12 G 2.5	16.0	288	440
18 G 2.5	20.4	432	698
25 G 2.5	24.7	600	1045
3 G 4	10.9	115	190
4 G 4	12.1	154	247
5 G 4	13.5	192	312
7 G 4	18.6	269	452
3 G 6	13.0	173	288

Number of cores x nominal cross-section (mm²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
4 G 6	14.2	230	363
7 G 6	19.8	403	622

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

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