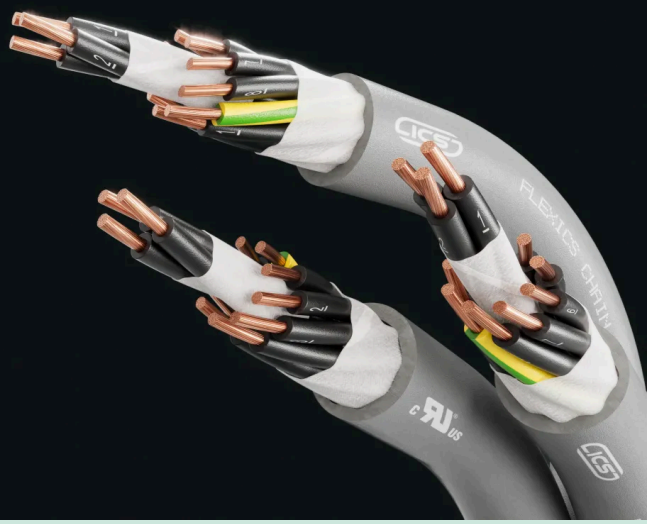
We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® CHAIN 911 UL/c(UL)



UL recognized PP/PUR drag chain cable, unscreened

Extremely flexible PP/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 911 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

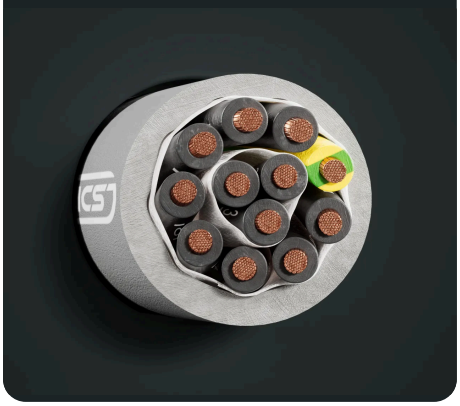
Bending radius (min.)
Fixed installation: 5 x Ø of cable
Flexible use: 7.5 x Ø of cable

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: -50°C up to 80°C
Flexible use: -30°C up to 80°C

DESIGN



1. Bare copper conductors, super fine wires class 6 according to DIN EN 60228 / VDE 0295 / IEC 60228
2. Core insulation of polypropylene compound (PP)
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	5.0	9.7	33
3 G 0.5	5.2	14.4	40
4 G 0.5	6.5	19	54
5 G 0.5	7.0	24	62
7 G 0.5	7.7	33.6	76
12 G 0.5	9.1	58	114
18 G 0.5	11.0	86	165
25 G 0.5	13.2	120	218
2 x 0.75	5.6	14.4	42
3 G 0.75	5.9	21.6	50
4 G 0.75	6.7	29	61
5 G 0.75	7.2	36	72
7 G 0.75	8.8	50	100
12 G 0.75	10.2	86	158
18 G 0.75	12.2	130	219
25 G 0.75	15.4	180	314
2 x 1	6.0	19.2	48
3 G 1	6.5	29	61
4 G 1	7.2	38.4	72
5 G 1	7.7	48	93
7 G 1	9.5	67	122
12 G 1	11.2	115	196
18 G 1	13.7	173	278
25 G 1	17.2	240	385
36 G 1	20.1	346	625
41 G 1	22.0	410	779
50 G 1	24.0	498	953
65 G 1	27.2	650	1205
2 x 1.5	6.7	28.8	68
3 G 1.5	7.3	43	83
4 G 1.5	7.9	48	102
5 G 1.5	9.0	72	128
7 G 1.5	10.6	101	177
12 G 1.5	12.5	173	275
18 G 1.5	15.2	259	405
25 G 1.5	19.0	360	562
36 G 1.5	22.2	518	880
42 G 1.5	24.0	628	1209
50 G 1.5	26.2	749	1449
3 G 2.5	8.8	72	122
4 G 2.5	9.8	96	163
5 G 2.5	11.0	120	196
7 G 2.5	13.3	168	268
12 G 2.5	15.8	288	446

Number of cores x nominal cross-section (mm²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
18 G 2.5	18.8	432	665
25 G 2.5	24.0	600	932
4 G 4	12.8	154	240
5 G 4	14.1	192	298
7 G 4	16.9	269	418
4 G 6	14.9	230	354
7 G 6	19.0	403	610
4 G 10	18.4	384	685
5 G 10	20.7	480	817
7 G 10	24.7	672	1023
4 G 16	21.3	614	1042
5 G 16	23.8	768	1292

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

Dipl. Ing. Peter Tomka

+421 37 6969631
peter.tomka@ics-cables.sk

