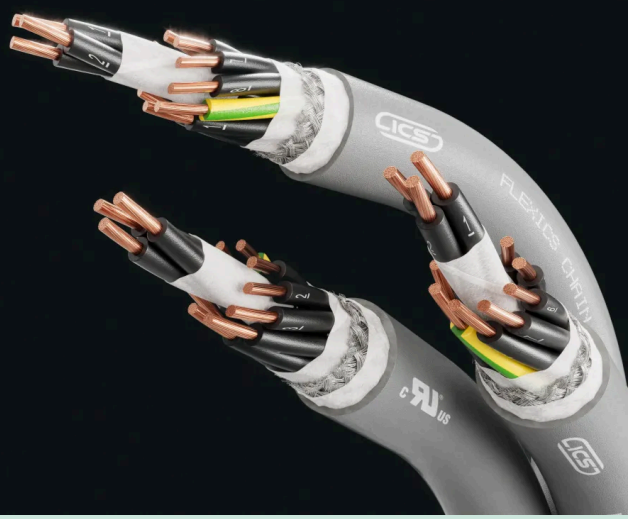
We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® CHAIN 911C UL/c(UL)

UL recognized PP/PUR drag chain cable, screened

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 911C 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-length
4. Non-woven wrapping over each stranding layer
5. Tinned copper wire braiding
6. Non-woven wrapping over braiding
7. 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	5.8	22.5	43
3 G 0.5	6.1	27.1	51
4 G 0.5	6.5	35.1	63
5 G 0.5	7.0	43.1	74
7 G 0.5	8.5	55.8	101
12 G 0.5	10.0	83.1	15
18 G 0.5	11.8	120	207
25 G 0.5	14.1	171	289
2 x 0.75	6.2	30.4	53
3 G 0.75	6.6	37.5	63
4 G 0.75	7.1	47.9	78
5 G 0.75	7.7	55.2	90
7 G 0.75	9.1	75.9	126
12 G 0.75	10.9	115.3	184
18 G 0.75	13.0	168	270
25 G 0.75	15.6	239.6	377
2 x 1	6.5	35.3	59
3 G 1	6.9	44.7	72
4 G 1	7.5	57.7	89
5 G 1	8.3	70.3	110
7 G 1	9.8	92.7	149
12 G 1	11.7	148.7	224
18 G 1	14.0	224.1	331
25 G 1	16.7	299.5	449
36 G 1	23.3	346	625
41 G 1	25.1	410	779
50 G 1	27.4	498	953
65 G 1	31.2	650	1205
2 x 1.5	7.1	47.9	74
3 G 1.5	7.5	62.5	93
4 G 1.5	8.4	80	119
5 G 1.5	9.0	97.5	143
7 G 1.5	10.9	129.7	195
12 G 1.5	13.3	211	302
18 G 1.5	15.7	319	448
25 G 1.5	18.7	428.1	607
36 G 1.5	25.3	518	880
42 G 1.5	27.4	628	1209
50 G 1.5	30.0	749	1449
3 G 2.5	9.0	97.4	139
4 G 2.5	10.1	124.8	178
5 G 2.5	11.2	148.7	215
7 G 2.5	13.5	206.5	302
12 G 2.5	16.2	347.5	573

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	23.0	432	665
25 G 2.5	27.2	600	932
4 G 4	11.9	187	256
5 G 4	14.3	192	298
7 G 4	19.0	269	418
4 G 6	15.1	230	354
7 G 6	22.0	403	610
4 G 10	20.5	452.1	607
5 G 10	22.7	480	817
7 G 10	27.3	672	1023
4 G 16	21.5	699.5	884
5 G 16	25.8	768	1292

Technical changes reserved. All figures are therefore without guarantee.

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