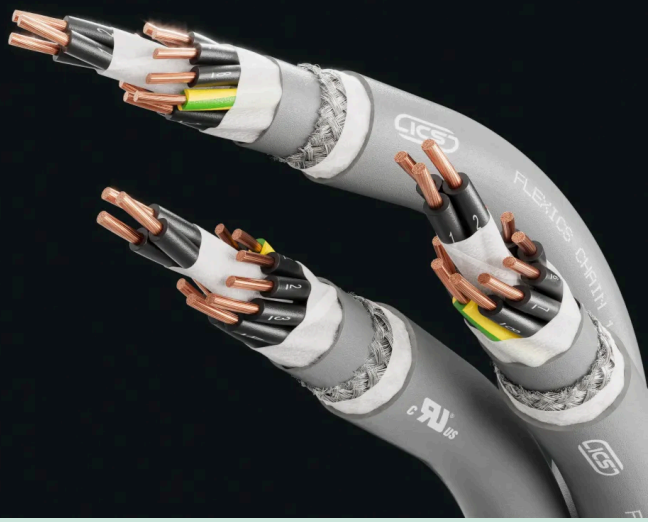
We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® CHAIN 11C UL/c(UL)

UL recognized PVC/PUR drag chain cable, screened

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. 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 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. Inner sheath of special compound based on polyvinyl chloride (PVC)
6. Tinned copper wire braiding
7. Non-woven wrapping over braiding
8. 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	8.1	33	85
3 G 0.5	8.4	39	96
4 G 0.5	9.1	46	112
5 G 0.5	9.8	54	129
7 G 0.5	11.6	70	166
12 G 0.5	12.7	100	224
18 G 0.5	14.6	153	215
25 G 0.5	16.9	202	438
2 x 0.75	8.4	39	96
3 G 0.75	8.9	48	108
4 G 0.75	9.6	59	130
5 G 0.75	10.3	69	147
7 G 0.75	12.5	90	195
12 G 0.75	13.7	129	283
18 G 0.75	16.1	205	389
25 G 0.75	18.4	271	527
2 x 1	8.8	46	108
3 G 1	9.3	57	116
4 G 1	10.1	70	147
5 G 1	11.1	81	177
7 G 1	13.2	110	225
12 G 1	14.6	182	330
18 G 1	17.3	254	462
25 G 1	19.8	365	638
2 x 1.5	9.4	58	131
3 G 1.5	10.0	75	153
4 G 1.5	11.1	91	187
5 G 1.5	11.9	112	215
7 G 1.5	13.8	145	283
12 G 1.5	16.1	247	427
18 G 1.5	19.1	348	605
25 G 1.5	21.9	498	809
3 G 2.5	11.2	119	206
4 G 2.5	12.2	161	245
5 G 2.5	13.3	194	298
7 G 2.5	15.7	262	399
12 G 2.5	20.4	410	586
18 G 2.5	24.0	562	991
25 G 2.5	28.2	778	1403
4 G 4	14.0	238	363
5 G 4	15.4	280	443
7 G 4	20.0	352	671
4 G 6	16.1	318	510
7 G 6	23.0	528	856

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

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