We Make Modern Life Possible.

INDUSTRIAL 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)	Total weight appr. (kg/km)
2 x 0.5	8.1	85
3 G 0.5	8.4	96
4 G 0.5	9.1	112
5 G 0.5	9.8	129
7 G 0.5	11.6	166
12 G 0.5	12.7	224
18 G 0.5	14.6	215
25 G 0.5	16.9	438
2 x 0.75	8.4	96
3 G 0.75	8.9	108
4 G 0.75	9.6	130
5 G 0.75	10.3	147
7 G 0.75	12.5	195
12 G 0.75	13.7	283
18 G 0.75	16.1	389
25 G 0.75	18.4	527
2 x 1	8.8	108
3 G 1	9.3	116
4 G 1	10.1	147
5 G 1	11.1	177
7 G 1	13.2	225
12 G 1	14.6	330
18 G 1	17.3	462
25 G 1	19.8	638
2 x 1.5	9.4	131
3 G 1.5	10.0	153
4 G 1.5	11.1	187
5 G 1.5	11.9	215
7 G 1.5	13.8	283
12 G 1.5	16.1	427
18 G 1.5	19.1	605
25 G 1.5	21.9	809
3 G 2.5	11.2	206
4 G 2.5	12.2	245
5 G 2.5	13.3	298
7 G 2.5	15.7	399
12 G 2.5	20.4	586
18 G 2.5	24.0	991
25 G 2.5	28.2	1403
4 G 4	14.0	363
5 G 4	15.4	443
7 G 4	20.0	671
4 G 6	16.1	510
7 G 6	23.0	856

Technical changes reserved. All figures are therefore without guarantee.



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