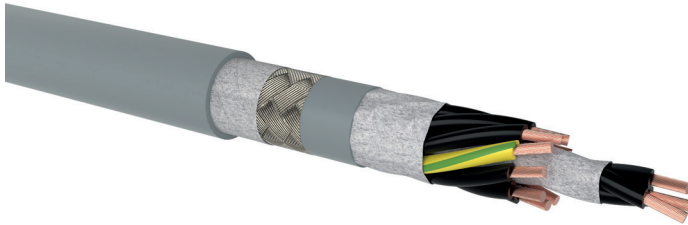


FLEXICS® CHAIN 11C UL/c(UL)

UL recognized PVC/PUR drag chain cable, screened

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)

APPLICATION

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



Rated voltage:
300/500 V (U₀/U)
1000 V (UL/CSA)



Test voltage:
core / core 4000 V / 50 Hz



Temperature range:
fixed installation: -30 °C up to 80 °C
flexible use: -5 °C up to 70 °C



Bending radius (min.):
fixed installation: 7.5 x Ø of cable
flexible use: 10 x Ø of cable



Core identification:
black (continuously numbered), from 3 cores with green/yellow ground conductor



Fire properties:
EN 60332-1-2: self-extinguishing and flame retardant
UL: vertical flame test VW-1, cable flame test
CSA: FT1



Certificate:
UL AWM Style 20234
CSA C22.2 No. 210-11, AWM



Bending cycles:
5 million
for detailed application in drag chains see
“General Technical Information” section

Number of cores x nominal cross-section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
FLEXICS® CHAIN 11C UL/c(UL)			
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

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Number of cores x nominal cross-section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
FLEXICS® CHAIN 11C UL/c(UL)			
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.

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