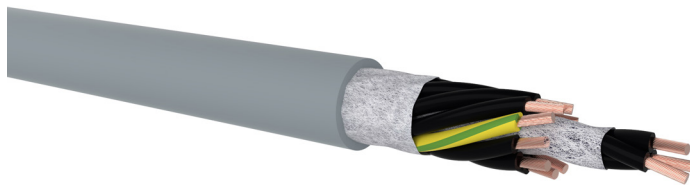


FLEXICS® CHAIN 11 UL/c(UL)

UL recognized PVC/PUR drag chain cable, unshielded

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 | 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. FLEXICS® CHAIN 11 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



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 11 UL/c(UL)			
2 x 0.5	6.5	9.7	46
3 G 0.5	6.8	14.4	55
4 G 0.5	7.5	19.0	69
5 G 0.5	8.0	24.0	85
7 G 0.5	9.8	33.6	117
12 G 0.5	10.8	58.0	155
18 G 0.5	12.7	86.0	224
25 G 0.5	15.2	120.0	328
2 x 0.75	6.8	14.4	54
3 G 0.75	7.3	21.6	66
4 G 0.75	8.0	29.0	82
5 G 0.75	8.7	36.0	101
7 G 0.75	10.7	50.0	142

FLEXICS® CHAIN 11 UL/c(UL)

UL recognized PVC/PUR drag chain cable, unscreened

Number of cores x nominal cross-section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
FLEXICS® CHAIN 11 UL/c(UL)			
12 G 0.75	11.7	86.0	196
18 G 0.75	13.9	130.0	282
25 G 0.75	16.6	180.0	404
2 x 1	7.1	19.2	60
3 G 1	7.7	29.0	75
4 G 1	8.5	38.4	94
5 G 1	9.2	48.0	117
7 G 1	11.4	67.0	168
12 G 1	12.6	115.0	231
18 G 1	15.1	173.0	343
25 G 1	18.4	240.0	538
2 x 1.5	7.7	28.8	78
3 G 1.5	8.4	43.0	98
4 G 1.5	9.3	58.0	125
5 G 1.5	10.1	72.0	151
7 G 1.5	11.9	101.0	221
12 G 1.5	13.9	173.0	318
18 G 1.5	16.9	259.0	484
25 G 1.5	20.1	360.0	671
3 G 2.5	9.3	72.0	134
4 G 2.5	10.3	96.0	170
5 G 2.5	11.3	120.0	205
7 G 2.5	13.4	168.0	295
12 G 2.5	16.0	288.0	440
18 G 2.5	20.4	432.0	698
25 G 2.5	24.7	600.0	1045
3 G 4	10.9	115.0	190
4 G 4	12.1	154.0	247
5 G 4	13.5	192.0	312
7 G 4	18.6	269.0	452
3 G 6	13.0	173.0	288
4 G 6	14.2	230.0	363
7 G 6	19.8	403.0	622

Technical changes reserved. All figures are therefore without guarantee.

14.1.2022, 10:55