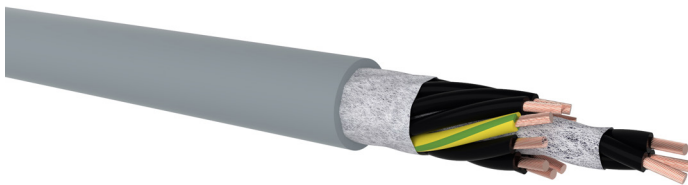


# FLEXICS® CHAIN 11

PVC/PUR drag chain cable, unscreened

## 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 cables are designed for indoor applications when exposed to medium 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 (U<sub>0</sub>/U)



**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



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

Number of cores x nominal cross-section (mm <sup>2</sup> )	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
<b>FLEXICS® CHAIN 11</b>			
3 G 0.5	5.7	14.4	39
4 G 0.5	6.3	19.0	51
5 G 0.5	6.7	24.0	62
7 G 0.5	8.0	33.6	90
12 G 0.5	9.6	58.0	125
18 G 0.5	11.5	86.0	191
25 G 0.5	14.2	120.0	280
2 x 0.75	5.7	14.4	38
3 G 0.75	6.2	21.6	50
4 G 0.75	6.8	29.0	64
5 G 0.75	7.4	36.0	78
7 G 0.75	8.9	50.0	115
12 G 0.75	10.5	86.0	166
18 G 0.75	12.7	130.0	249
25 G 0.75	15.6	180.0	356
2 x 1	6.0	19.2	44
3 G 1	6.6	29.0	59

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Number of cores x nominal cross-section (mm <sup>2</sup> )	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
<b>FLEXICS® CHAIN 11</b>			
4 G 1	7.3	38.4	76
5 G 1	7.9	48.0	94
7 G 1	9.6	67.0	141
12 G 1	11.4	115.0	201
18 G 1	13.9	173.0	310
25 G 1	17.4	240.0	490
34 G 1	18.4	326.0	776
50 G 1	21.7	4802.0	1092
65 G 1	30.9	624.0	1400
2 x 1.5	6.7	28.8	59
3 G 1.5	7.4	43.0	78
4 G 1.5	8.1	58.0	100
5 G 1.5	9.1	72.0	128
7 G 1.5	10.8	101.0	189
12 G 1.5	13.0	173.0	269
18 G 1.5	15.6	259.0	415
25 G 1.5	19.4	360.0	628
34 G 1.5	20.6	490.0	1048
42 G 1.5	22.4	605.0	1290
50 G 1.5	24.2	720.0	1520
3 G 2.5	9.0	72.0	126
4 G 2.5	10.0	96.0	158
5 G 2.5	11.2	120.0	201
7 G 2.5	13.5	168.0	295
12 G 2.5	16.0	288.0	436
18 G 2.5	20.4	432.0	696
25 G 2.5	24.7	600.0	1042
3 G 4	10.6	115.0	175
4 G 4	12.0	154.0	224
5 G 4	13.5	192.0	292
7 G 4	18.6	269.0	440
3 G 6	13.0	173.0	276
4 G 6	14.2	230.0	352
7 G 6	19.8	403.0	608
3 G 10	16.2	288.0	660
4 G 10	18.1	384.0	750
5 G 10	20.3	480.0	990
7 G 10	24.3	672.0	1300
4 G 16	21.1	614.0	1200
5 G 16	23.5	768.0	1500

Technical changes reserved. All figures are therefore without guarantee.

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