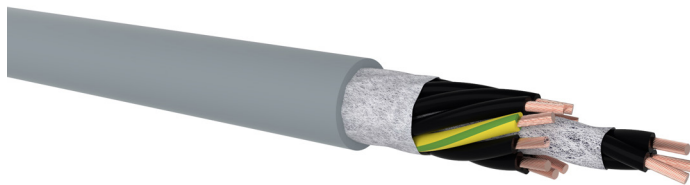


FLEXICS® CHAIN 911

PP/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 polypropylene compound (PP)
- 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 PP/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 911 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 (U_o/U)



Test voltage:
core / core 4000 V / 50 Hz



Temperature range:
fixed installation: -50 °C up to 80 °C
flexible use: -30 °C up to 80 °C



Bending radius (min.):
fixed installation: 5 x Ø of cable
flexible use: 7.5 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 ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
FLEXICS® CHAIN 911			
2 x 0.5	5.0	9.7	33
3 G 0.5	5.2	14.4	40
4 G 0.5	6.5	19.0	54
5 G 0.5	7.0	24.0	62
7 G 0.5	7.7	33.6	76
12 G 0.5	9.1	58.0	114
18 G 0.5	11.0	86.0	165
25 G 0.5	13.2	120.0	218
2 x 0.75	5.6	14.4	42
3 G 0.75	5.9	21.6	50
4 G 0.75	6.7	29.0	61
5 G 0.75	7.2	36.0	72
7 G 0.75	8.8	50.0	100
12 G 0.75	10.2	86.0	158
18 G 0.75	12.2	130.0	219
25 G 0.75	15.4	180.0	314
2 x 1	6.0	19.2	48

FLEXICS® CHAIN 911

PP/PUR drag chain cable, unshielded

Number of cores x nominal cross-section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
FLEXICS® CHAIN 911			
3 G 1	6.5	29.0	61
4 G 1	7.2	38.4	72
5 G 1	7.7	48.0	93
7 G 1	9.5	67.0	122
12 G 1	11.2	115.0	196
18 G 1	13.7	173.0	278
25 G 1	17.2	240.0	385
36 G 1	20.1	346.0	625
41 G 1	22.0	410.0	779
50 G 1	24.0	498.0	953
65 G 1	27.2	650.0	1205
2 x 1.5	6.7	28.8	68
3 G 1.5	7.3	43.0	83
4 G 1.5	7.9	48.0	102
5 G 1.5	9.0	72.0	128
7 G 1.5	10.6	101.0	177
12 G 1.5	12.5	173.0	275
18 G 1.5	15.2	259.0	405
25 G 1.5	19.0	360.0	562
36 G 1.5	22.2	518.0	880
42 G 1.5	24.0	628.0	1209
50 G 1.5	26.2	749.0	1449
3 G 2.5	8.8	72.0	122
4 G 2.5	9.8	96.0	163
5 G 2.5	11.0	120.0	196
7 G 2.5	13.3	168.0	268
12 G 2.5	15.8	288.0	446
18 G 2.5	18.8	432.0	665
25 G 2.5	24.0	600.0	932
4 G 4	12.8	154.0	240
5 G 4	14.1	192.0	298
7 G 4	16.9	269.0	418
4 G 6	14.9	230.0	354
7 G 6	19.0	403.0	610
4 G 10	18.4	384.0	685
5 G 10	20.7	480.0	817
7 G 10	24.7	672.0	1023
4 G 16	21.3	614.0	1042
5 G 16	23.8	768.0	1292

Technical changes reserved. All figures are therefore without guarantee.

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