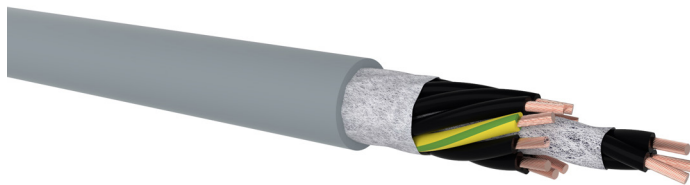


FLEXICS® CHAIN

PVC/PVC 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 | Outer sheath of special compound based on polyvinyl chloride (PVC), colour: grey (RAL 7001)

APPLICATION

Extremely flexible PVC/PVC 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 cables are designed for indoor applications when exposed to medium mechanical stress.

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: -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:
3 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			
2 x 0.5	5.2	9.7	32
3 G 0.5	5.5	14.4	41
4 G 0.5	6.1	19.0	52
5 G 0.5	6.6	24.0	64
7 G 0.5	8.0	33.6	92
12 G 0.5	9.6	58.0	128
18 G 0.5	11.5	86.0	195
25 G 0.5	14.2	120.0	284
2 x 0.75	5.7	14.4	39
3 G 0.75	6.2	21.6	51
4 G 0.75	6.8	29.0	65
5 G 0.75	7.4	36.0	80
7 G 0.75	8.9	50.0	117
12 G 0.75	10.5	86.0	169
18 G 0.75	12.7	130.0	254
25 G 0.75	15.8	180.0	376
2 x 1	6.0	19.2	46

FLEXICS® CHAIN

PVC/PVC 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			
3 G 1	6.6	29.0	60
4 G 1	7.3	38.4	78
5 G 1	7.9	48.0	96
7 G 1	9.6	67.0	144
12 G 1	11.4	115.0	205
18 G 1	13.9	173.0	314
25 G 1	17.6	240.0	498
2 x 1.5	6.7	28.8	60
3 G 1.5	7.4	43.0	80
4 G 1.5	8.1	48.0	102
5 G 1.5	9.1	72.0	130
7 G 1.5	10.8	101.0	192
12 G 1.5	13.0	173.0	273
18 G 1.5	15.6	259.0	417
25 G 1.5	19.8	360.0	632
3 G 2.5	9.0	72.0	128
4 G 2.5	10.0	96.0	161
5 G 2.5	11.2	120.0	205
7 G 2.5	13.5	168.0	300
12 G 2.5	16.0	288.0	440
18 G 2.5	20.4	432.0	703
25 G 2.5	24.7	600.0	1054
3 G 4	10.6	115.0	176
4 G 4	11.8	154.0	227
5 G 4	13.5	192.0	298
7 G 4	18.6	269.0	446
3 G 6	13.0	173.0	280
4 G 6	14.2	230.0	358
7 G 6	19.8	403.0	614

Technical changes reserved. All figures are therefore without guarantee.

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