



We Make Modern
Life Possible

INDUSTRIAL CABLES

FLEXICS® CHAIN UL/c(UL)

UL recognized PVC/PVC drag chain cable,
unscreened



TECHNICAL DATA



Standard
Based on VDE 0285



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



Test Voltage
4000 V / 50 Hz



Bending radius (min.)
Fixed installation: 7.5 x ϕ of cable
Flexible use: 10 x ϕ of cable



Bending cycles
3 million



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 20886
CSA C22.2 No. 210-11, AWM



Temperature range
Fixed installation: -30°C up to 80°C
Flexible use: -5°C up to 70°C

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)

Number of cores x nominal cross-section (mm²)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 0.5	5.5	42
3 G 0.5	5.9	52
4 G 0.5	6.6	60
5 G 0.5	7.2	72
7 G 0.5	8.7	106
12 G 0.5	10.5	150
18 G 0.5	12.5	231
25 G 0.5	15.0	316
2 x 0.75	6.1	51
3 G 0.75	6.6	63
4 G 0.75	7.3	75
5 G 0.75	8.0	90
7 G 0.75	9.6	132
12 G 0.75	11.6	201
18 G 0.75	13.9	300
25 G 0.75	16.6	415
2 x 1	6.4	58
3 G 1	7.0	72
4 G 1	7.8	88
5 G 1	8.5	106
7 G 1	10.3	159
12 G 1	12.4	237
18 G 1	15.1	358
25 G 1	18.3	536
2 x 1.5	7.0	72
3 G 1.5	7.7	93
4 G 1.5	8.8	122
5 G 1.5	9.6	147
7 G 1.5	11.6	219
12 G 1.5	13.9	322
18 G 1.5	16.9	478
25 G 1.5	20.1	670
3 G 2.5	9.0	130
4 G 2.5	10.0	165
5 G 2.5	11.0	210
7 G 2.5	13.4	308
12 G 2.5	15.9	446
18 G 2.5	20.4	718
25 G 2.5	24.7	1070
3 G 4	10.6	192
4 G 4	11.8	243
5 G 4	13.3	325
7 G 4	18.5	469
3 G 6	12.8	290



Number of cores x nominal cross-section (mm²)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
4 G 6	14.0	368
7 G 6	19.8	620

CONTACT PERSON

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