



We Make Modern  
Life Possible

INDUSTRIAL CABLES

# FLEXICS® CHAIN C UL/c(UL)

UL recognized PVC/PVC drag chain cable,  
screened



## TECHNICAL DATA



**Standard**  
Based on VDE 0285



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



**Test Voltage**  
4000 V / 50 Hz



**Bending radius (min.)**  
Fixed installation:  $7.5 \times \phi$  of cable  
Flexible use:  $10 \times \phi$  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

Inner sheath of special compound based on polyvinyl  
chloride (PVC)

6

Tinned copper wire braiding

7

Non-woven tape separation over braiding (optional)

8

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                                       | 7.5                       | 78                         |
| 3 G 0.5                                       | 7.9                       | 89                         |
| 4 G 0.5                                       | 8.5                       | 102                        |
| 5 G 0.5                                       | 9.2                       | 127                        |
| 7 G 0.5                                       | 10.9                      | 177                        |
| 12 G 0.5                                      | 12.6                      | 234                        |
| 18 G 0.5                                      | 15.5                      | 381                        |
| 25 G 0.5                                      | 17.7                      | 472                        |
| 2 x 0.75                                      | 7.8                       | 94                         |
| 3 G 0.75                                      | 8.2                       | 105                        |
| 4 G 0.75                                      | 8.9                       | 123                        |
| 5 G 0.75                                      | 10.0                      | 155                        |
| 7 G 0.75                                      | 11.6                      | 206                        |
| 12 G 0.75                                     | 13.8                      | 304                        |
| 18 G 0.75                                     | 16.3                      | 425                        |
| 25 G 0.75                                     | 18.6                      | 548                        |
| 2 x 1                                         | 8.2                       | 106                        |
| 3 G 1                                         | 8.6                       | 123                        |
| 4 G 1                                         | 9.4                       | 141                        |
| 5 G 1                                         | 10.6                      | 178                        |
| 7 G 1                                         | 12.3                      | 233                        |
| 12 G 1                                        | 14.6                      | 362                        |
| 18 G 1                                        | 17.6                      | 501                        |
| 25 G 1                                        | 20.2                      | 667                        |
| 2 x 1.5                                       | 9.0                       | 127                        |
| 3 G 1.5                                       | 9.7                       | 152                        |
| 4 G 1.5                                       | 10.6                      | 187                        |
| 5 G 1.5                                       | 11.4                      | 218                        |
| 7 G 1.5                                       | 13.8                      | 320                        |
| 12 G 1.5                                      | 16.3                      | 460                        |
| 18 G 1.5                                      | 19.5                      | 677                        |
| 25 G 1.5                                      | 23.6                      | 926                        |
| 3 G 2.5                                       | 11.0                      | 208                        |
| 4 G 2.5                                       | 11.8                      | 244                        |
| 5 G 2.5                                       | 13.0                      | 306                        |
| 7 G 2.5                                       | 15.8                      | 428                        |
| 12 G 2.5                                      | 20.0                      | 682                        |
| 18 G 2.5                                      | 24.0                      | 994                        |
| 25 G 2.5                                      | 28.3                      | 1422                       |
| 4 G 4                                         | 14.0                      | 365                        |
| 5 G 4                                         | 15.3                      | 430                        |
| 7 G 4                                         | 19.8                      | 670                        |
| 4 G 6                                         | 16.1                      | 514                        |
| 7 G 6                                         | 23.0                      | 862                        |



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