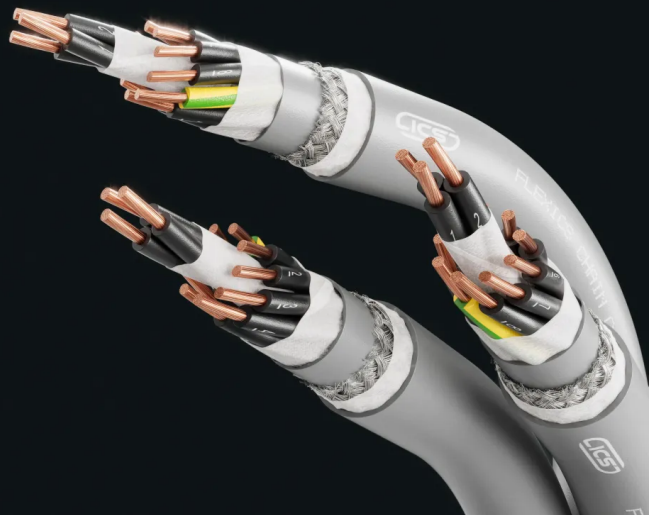




We Make Modern  
Life Possible

# FLEXICS® CHAIN C

PVC/PVC drag chain cable, screened



## TECHNICAL DATA



**Standard**  
Based on VDE 0285



**Test Voltage**  
4000 V / 50 Hz



**Rated Voltage**  
300/500 V (U<sub>0</sub>/U)



**Bending cycles**  
3 million



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



**Fire properties**  
EN 60332-1-2: self-extinguishing and flame retardant



**Core identification**  
Black (continuously numbered), from 3 cores with green/yellow ground conductor



**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) | Cu-value (kg/km) | Total weight appr. (kg/km) |
|-----------------------------------------------|---------------------------|------------------|----------------------------|
| 2 x 0.5                                       | 6.9                       | 33               | 73                         |
| 3 G 0.5                                       | 7.3                       | 39               | 84                         |
| 4 G 0.5                                       | 7.9                       | 46               | 98                         |
| 5 G 0.5                                       | 8.6                       | 54               | 110                        |
| 7 G 0.5                                       | 9.8                       | 70               | 141                        |
| 12 G 0.5                                      | 11.5                      | 100              | 201                        |
| 18 G 0.5                                      | 13.4                      | 153              | 285                        |
| 25 G 0.5                                      | 15.9                      | 202              | 394                        |
| 2 x 0.75                                      | 7.3                       | 39               | 85                         |
| 3 G 0.75                                      | 7.8                       | 48               | 98                         |
| 4 G 0.75                                      | 8.4                       | 59               | 116                        |
| 5 G 0.75                                      | 9.0                       | 69               | 128                        |
| 7 G 0.75                                      | 10.7                      | 90               | 178                        |
| 12 G 0.75                                     | 12.5                      | 129              | 253                        |
| 18 G 0.75                                     | 14.9                      | 205              | 367                        |
| 25 G 0.75                                     | 17.4                      | 271              | 496                        |
| 2 x 1                                         | 7.7                       | 46               | 97                         |
| 3 G 1                                         | 8.2                       | 57               | 116                        |
| 4 G 1                                         | 8.9                       | 70               | 134                        |
| 5 G 1                                         | 9.8                       | 81               | 154                        |
| 7 G 1                                         | 11.4                      | 110              | 207                        |
| 12 G 1                                        | 13.4                      | 182              | 314                        |
| 18 G 1                                        | 16.1                      | 254              | 443                        |
| 25 G 1                                        | 18.8                      | 365              | 612                        |
| 2 x 1.5                                       | 8.4                       | 58               | 117                        |
| 3 G 1.5                                       | 9.0                       | 75               | 139                        |
| 4 G 1.5                                       | 9.9                       | 91               | 169                        |
| 5 G 1.5                                       | 10.9                      | 112              | 201                        |
| 7 G 1.5                                       | 12.7                      | 145              | 262                        |
| 12 G 1.5                                      | 15.2                      | 247              | 404                        |
| 18 G 1.5                                      | 17.8                      | 348              | 560                        |
| 25 G 1.5                                      | 21.2                      | 498              | 788                        |
| 3 G 2.5                                       | 11.0                      | 119              | 206                        |
| 4 G 2.5                                       | 11.9                      | 161              | 244                        |
| 5 G 2.5                                       | 13.2                      | 194              | 306                        |
| 7 G 2.5                                       | 15.8                      | 262              | 418                        |
| 12 G 2.5                                      | 20.4                      | 410              | 690                        |
| 18 G 2.5                                      | 24.0                      | 562              | 994                        |
| 25 G 2.5                                      | 28.2                      | 778              | 1420                       |
| 4 G 4                                         | 13.7                      | 238              | 360                        |
| 5 G 4                                         | 15.3                      | 280              | 430                        |
| 7 G 4                                         | 20.0                      | 352              | 670                        |
| 4 G 6                                         | 16.1                      | 318              | 514                        |
| 7 G 6                                         | 23.0                      | 528              | 862                        |



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