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Life Possible

AUTOMATION AND MOTOR SUPPLY CABLES

# FLEXICS® CHAIN 11 UL/c(UL)

UL recognized PVC/PUR drag chain cable,  
unscreened



## TECHNICAL DATA



**Standard**  
Based on VDE 0285



**Certificate**  
UL AWM Style 20234  
CSA C22.2 No. 210-11, AWM



**Test Voltage**  
4000 V / 50 Hz



**Rated Voltage**  
300/500 V (U<sub>0</sub>/U)  
1000 V (UL/CSA)



**Bending cycles**  
5 million



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



**Fire properties**  
EN 60332-1-2: self-extinguishing and flame  
retardant  
UL: vertical flame test VW-1, cable flame test  
CSA: FT1



**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



Bare copper conductors, super fine wires class 6 according  
to DIN EN 60228 / VDE 0295 / IEC 60228



Core insulation of special compound based on polyvinyl  
chloride (PVC)



Cores stranded in layers with short lay-lengths



Non-woven wrapping over each stranding layer



Special polyurethane (PUR) outer sheath, 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                                       | 6.5                       | 9.7              | 46                         |
| 3 G 0.5                                       | 6.8                       | 14.4             | 55                         |
| 4 G 0.5                                       | 7.5                       | 19               | 69                         |
| 5 G 0.5                                       | 8.0                       | 24               | 85                         |
| 7 G 0.5                                       | 9.8                       | 33.6             | 117                        |
| 12 G 0.5                                      | 10.8                      | 58               | 155                        |
| 18 G 0.5                                      | 12.7                      | 86               | 224                        |
| 25 G 0.5                                      | 15.2                      | 120              | 328                        |
| 2 x 0.75                                      | 6.8                       | 14.4             | 54                         |
| 3 G 0.75                                      | 7.3                       | 21.6             | 66                         |
| 4 G 0.75                                      | 8.0                       | 29               | 82                         |
| 5 G 0.75                                      | 8.7                       | 36               | 101                        |
| 7 G 0.75                                      | 10.7                      | 50               | 142                        |
| 12 G 0.75                                     | 11.7                      | 86               | 196                        |
| 18 G 0.75                                     | 13.9                      | 130              | 282                        |
| 25 G 0.75                                     | 16.6                      | 180              | 404                        |
| 2 x 1                                         | 7.1                       | 19.2             | 60                         |
| 3 G 1                                         | 7.7                       | 29               | 75                         |
| 4 G 1                                         | 8.5                       | 38.4             | 94                         |
| 5 G 1                                         | 9.2                       | 48               | 117                        |
| 7 G 1                                         | 11.4                      | 67               | 168                        |
| 12 G 1                                        | 12.6                      | 115              | 231                        |
| 18 G 1                                        | 15.1                      | 173              | 343                        |
| 25 G 1                                        | 18.4                      | 240              | 538                        |
| 2 x 1.5                                       | 7.7                       | 28.8             | 78                         |
| 3 G 1.5                                       | 8.4                       | 43               | 98                         |
| 4 G 1.5                                       | 9.3                       | 58               | 125                        |
| 5 G 1.5                                       | 10.1                      | 72               | 151                        |
| 7 G 1.5                                       | 11.9                      | 101              | 221                        |
| 12 G 1.5                                      | 13.9                      | 173              | 318                        |
| 18 G 1.5                                      | 16.9                      | 259              | 484                        |
| 25 G 1.5                                      | 20.1                      | 360              | 671                        |
| 3 G 2.5                                       | 9.3                       | 72               | 134                        |
| 4 G 2.5                                       | 10.3                      | 96               | 170                        |
| 5 G 2.5                                       | 11.3                      | 120              | 205                        |
| 7 G 2.5                                       | 13.4                      | 168              | 295                        |
| 12 G 2.5                                      | 16.0                      | 288              | 440                        |
| 18 G 2.5                                      | 20.4                      | 432              | 698                        |
| 25 G 2.5                                      | 24.7                      | 600              | 1045                       |
| 3 G 4                                         | 10.9                      | 115              | 190                        |
| 4 G 4                                         | 12.1                      | 154              | 247                        |
| 5 G 4                                         | 13.5                      | 192              | 312                        |
| 7 G 4                                         | 18.6                      | 269              | 452                        |
| 3 G 6                                         | 13.0                      | 173              | 288                        |



| Number of cores x nominal cross-section (mm²) | Outer diameter appr. (mm) | Cu-value (kg/km) | Total weight appr. (kg/km) |
|-----------------------------------------------|---------------------------|------------------|----------------------------|
| 4 G 6                                         | 14.2                      | 230              | 363                        |
| 7 G 6                                         | 19.8                      | 403              | 622                        |

CONTACT PERSON

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