



# FLEXIFESTOON® NE-FLAT (NGFLGÖU) UL



## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC TO IEC 60228, DIN VDE 0295<br><b>(FROM 1 UP TO 25 mm<sup>2</sup>)</b><br>FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC TO IEC 60228, DIN VDE 0295<br><b>(FROM 35 mm<sup>2</sup>)</b> |
| <b>INSULATION:</b>   | EPR TYPE 3GI3 ACC. TO DIN VDE 0207   |
| <b>CORES COLOR:</b>  | ACC. TO DIN VDE 0293-308, HD 308 S2 FROM 6 CORES BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334; GREEN-YELLOW EARTH-WIRE FROM 3 CORES   |
| <b>STRANDING:</b>    | CORES LAYING PARALLEL  |
| <b>OUTER SHEATH:</b> | BLACK (SIMILAR TO RAL 9005), RUBBER PCP TYPE 5GM3,<br>YELLOW (SIMILAR TO RAL 1021)<br>ON REQUEST   |

## Technical data:

|                                      |  |
|--------------------------------------|--|
| <b>NOMINAL VOLTAGE:</b>              | U <sub>0</sub> /U 300/500 V (UL 600 V) |
| <b>TEST VOLTAGE:</b>                 | 3 kV                                   |
| <b>TEMPERATURE RANGE:</b>            |  |
| FIXED LAYING:                        | -50°C UP TO +80°C                      |
| FLEXIBLE APPLICATION:                | -35°C UP TO +80°C                      |
| <b>MAX. TEMP ON CONDUCTOR:</b>       |  |
| IN SERVICE:                          | UP TO +90°C                            |
| IN SHORT CIRCUIT:                    | UP TO +250°C                           |
| <b>MIN. BENDING RADIUS:</b>          | ACC. TO DIN VDE 0298 PART 3            |
| <b>TENSILE STRENGTH:</b>             | 15 N/mm <sup>2</sup>                   |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 180 m/min                              |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2



**OIL RESISTANCE ACC. TO:**  
DIN VDE 0473 PART 404, PART.10

## Features:

- ACC. TO DIN VDE 0250-809
- UV, OZONE, AND CHEMICAL RESISTANT
- INDOOR/OUTDOOR USE
- EXTREMELY SMALL BENDING RADIUS
- MINIMUM WASTE OF SPACE
- HIGH FLEXIBILITY
- COLD RESISTANT
- APPROVAL AVAILABLE
- GOST-R/EAC APPROVAL
- FOR SPEEDS AND MINIMUM BENDING RADIUS SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



# FLEXIFESTOON® NE-FLAT (NGFLGÖU) UL



ELETTROTEK KABEL® FLEXIFESTOON® NE-FLAT (NGFLGÖU) UL

ELETTROTEK KABEL® FLEXIFESTOON® NE-FLAT (NGFLGÖU) UL

| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca.mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no.*) |
|----------------|--|---------------------------|---------------------------|----------------------------------|--------------|
| 03030F72031A16 | 3 g 1,5  | 6 x 12,1                  | 43,2                      | 140                              | 16           |
| 03030F72041A16 | 4 g 1,5  | 6 x 15,4                  | 58                        | 180                              | 16           |
| 03030F72051A16 | 5 g 1,5  | 5,8 x 19,3                | 72                        | 220                              | 16           |
| 03030F70071A16 | 7 g 1,5  | 5,8 x 25,9                | 101                       | 290                              | 16           |
| 03030F70081A16 | 8 g 1,5  | 5,8 x 28,4                | 115                       | 320                              | 16           |
| 03030F70101A16 | 10 g 1,5   | 6,5 x 36,3                | 144                       | 450                              | 16           |
| 03030F70121A16 | 12 g 1,5   | 6,5 x 42,8                | 173                       | 540                              | 16           |
| 03030F70241A16 | 24 g 1,5   | 11,9 x 52,1               | 345,6                     | 1050                             | 16           |
| 03030F70421A16 | 42 g 1,5   | 15,6 x 71,3               | 604,8                     | 1930                             | 16           |
| 03030F72041A14 | 4 g 2,5  | 7,1 x 19                  | 96                        | 270                              | 14           |
| 03030F72051A14 | 5 g 2,5  | 7 x 23,8                  | 120                       | 330                              | 14           |
| 03030F70071A14 | 7 g 2,5  | 7,1 x 31,9                | 168                       | 450                              | 14           |
| 03030F70081A14 | 8 g 2,5  | 7,1 x 35                  | 192                       | 500                              | 14           |
| 03030F70101A14 | 10 g 2,5   | 7,7 x 44,2                | 240                       | 670                              | 14           |
| 03030F70121A14 | 12 g 2,5   | 7,7 x 52,1                | 288                       | 790                              | 14           |
| 03030F70241A14 | 24 g 2,5   | 15,2 x 66,7               | 576                       | 1700                             | 14           |
| 03030F72041A12 | 4 g 4  | 8,7 x 23                  | 154                       | 400                              | 12           |
| 03030F72051A12 | 5 g 4  | 8,8 x 30,1                | 192                       | 520                              | 12           |
| 03030F70071A12 | 7 g 4  | 8,7 x 39,7                | 269                       | 700                              | 12           |
| 03030F70081A12 | 8 g 4  | 8,5 x 42,3                | 307,2                     | 757                              | 12           |
| 03030F70121A12 | 12 g 4   | 8,4 x 61,9                | 460,8                     | 1131                             | 12           |
| 03030F72041A10 | 4 g 6  | 9,3 x 26,2                | 230                       | 510                              | 10           |
| 03030F72051A10 | 5 g 6  | 9,4 x 33                  | 288                       | 650                              | 10           |
| 03030F70071A10 | 7 g 6  | 9,3 x 44,1                | 403                       | 880                              | 10           |
| 03030F72041A08 | 4 g 10   | 10,8 x 31,4               | 384                       | 760                              | 8            |
| 03030F72051A08 | 5 g 10   | 10,9 x 40,4               | 480                       | 970                              | 8            |
| 03030F70071A08 | 7 g 10   | 10,9 x 54,5               | 672                       | 1330                             | 8            |
| 03030F72041A06 | 4 g 16   | 12,5 x 36,8               | 614                       | 1070                             | 6            |
| 03030F72051A06 | 5 g 16   | 12,5 x 46,4               | 768                       | 1370                             | 6            |
| 03030F70071A06 | 7 g 16   | 13 x 62,3                 | 1075                      | 2000                             | 6            |
| 03030F72041A04 | 4 g 25   | 14 x 42,7                 | 960                       | 1510                             | 4            |
| 03030F72051A04 | 5 g 25   | 13,2 x 60                 | 1200                      | 2210                             | 4            |
| 03030F70071A04 | 7 g 25   | 15,2 x 74,3               | 1680                      | 2830                             | 4            |
| 03030F72041A02 | 4 g 35   | 15,8 x 48,5               | 1344                      | 2050                             | 2            |
| 03030F70071A02 | 7 g 35   | 16,9 x 85,4               | 2352                      | 3830                             | 2            |
| 03030F72041A01 | 4 g 50   | 18,5 x 57                 | 1920                      | 2840                             | 1            |
| 03030F72041A2C | 4 g 70   | 20,8 x 64,2               | 2688                      | 3830                             | 2/0          |
| 03030F72041A3C | 4 g 95   | 23,6 x 73,6               | 3648                      | 4940                             | 3/0          |
| 03030F72041A4C | 4 g 120  | 25,7 x 81,2               | 4608                      | 6230                             | 4/0          |

Other dimensions and colors available on request.



# FLEXIFESTOON® NE FLAT M(StD)HÖU-J/O UL

Screened rubber flat cables, UL approval



ELETTROTEK KABEL® FLEXIFESTOON® NE-FLAT M(StD)HÖU-J/O UL  
UL style 4540 90°C 600 V FT-1 600 V

## Construction:

|                      |  |
|----------------------|--|
| <b>COND CTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC TO IEC 60228, DIN VDE 0295<br><b>(FROM 1 UP TO 25 mm²)</b><br>FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC TO IEC 60228, DIN VDE 0295<br><b>(FROM 35 mm²)</b> |
| <b>WRAPPING:</b>     | PETP TAPE  |
| <b>INSULATION:</b>   | RUBBER HEPR TYPE 3G13<br>ACC. TO DIN VDE 0207  |
| <b>CORES COLOR:</b>  | ACC. TO DIN VDE 0293-308, HD 308 S2<br>FROM 6 CORES BLACK CORES WITH<br>CONSECUTIVE NUMBERS ACC. TO EN 50334;<br>GREEN-YELLOW EARTH-WIRE<br>FROM 3 CORES   |
| <b>STRANDING:</b>    | CORES LAYING PARALLEL<br>PAIRS: CORES TWISTED IN PAIRS WITH<br>SHORT LAY LENGTH WRAPPING<br>WITH PETP FOIL, PAIRS LAYING PARALLEL  |
| <b>SCREEN:</b>       | TINNED COPPER WIRES<br>+ ALUMINIUM TAPE/PETP FOIL  |
| <b>OUTER SHEATH:</b> | BLACK (SIMILAR TO RAL 9005),<br>RUBBER PCP TYPE 5GM3   |

## Technical data:

|                                      |   |
|--------------------------------------|---|
| <b>NOMINAL VOLTAGE:</b>              | U <sub>0</sub> /U 0,6/1 kV (UL 600 V)             |
| <b>TEST VOLTAGE:</b>                 | 4 kV  |
| <b>TEMPERATURE RANGE:</b>            |   |
| <b>UL:</b>                           | UP TO +90°C                                       |
| <b>FIXED LAYING:</b>                 | -40°C UP TO +85°C                                 |
| <b>FLEXIBLE APPICATION:</b>          | -30°C UP TO +85°C                                 |
| <b>MAX. TEMP ON CONDUCTOR:</b>       |   |
| <b>IN SERVICE:</b>                   | UP TO +90°C                                       |
| <b>IN SHORT CIRCUIT:</b>             | UP TO +250°C                                      |
| <b>MIN. BENDING RADIUS:</b>          | ACC. TO DIN VDE 0298 PART 3                       |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 180 m/min   |
| <b>RADIATION RESISTANCE:</b>         | UP TO 50X10 <sup>6</sup> CJ/Kg<br>(UP TO 50 Mrad) |
| <b>TENSILE STRENGTH:</b>             |   |
| <b>STATIC:</b>                       | 15 N/mm <sup>2</sup>                              |
| <b>DYNAMIC:</b>                      | 30 N/mm <sup>2</sup>                              |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2



**OIL RESISTANCE ACC. TO:**  
DIN VDE 0473 PART 811-2-1  
IEC EN 60811-2-1

## Features:

UV, OZONE, AND CHEMICAL RESISTANT  
EXTREMELY SMALL BENDING RADIUS  
MINIMUM WASTE OF SPACE  
HIGH FLEXIBILITY  
COLD RESISTANT  
ACC. TO DIN VDE 0250 PART 809 TABLE 2  
ULLISTED APPROVAL AVAILABLE ON REQUEST  
AWM STYLE 4540 90°C 600 V FT-1 600 V  
FOR SPEEDS AND MINIMUM BENDING RADIUS  
SEE PAGES FROM 1 TO 4 OF CATALOGUE  
ROHS AND CE APPROVAL

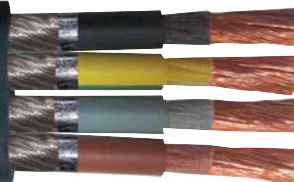


# FLEXIFESTOON® NE FLAT M(StD)HÖU-J/O UL

Screened rubber flat cables, UL approval



ELETTROTEK KABEL® FLEXIFESTOON® NE-FLAT M(StD)HÖU-J/O UL  
UL style 4540 90°C 600 V FT-1 600 V



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca.mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no.*) |
|----------------|--|---------------------------|---------------------------|----------------------------------|--------------|
| 03190F72041A16 | 4 g 1,5  | 20,8 x 7,5                | 99                        | 291                              | 16           |
| 03190F72051A16 | 5 g 1,5  | 24,8 x 7,5                | 124                       | 350                              | 16           |
| 03190F70081A16 | 8 g 1,5  | 38,1 x 7,5                | 228                       | 537                              | 16           |
| 03190F71080A16 | 8 x 1,5  | 38,1 x 7,5                | 228                       | 537                              | 16           |
| 03190F70121A16 | 12 g 1,5   | 55,3 x 7,5                | 343                       | 795                              | 16           |
| 03190F71120A16 | 12 x 1,5   | 55,3 x 7,5                | 343                       | 795                              | 16           |
| 03190F72041A14 | 4 g 2,5  | 23,4 x 8,2                | 163                       | 418                              | 14           |
| 03190F70061A14 | 6 g 2,5  | 32,5 x 8,2                | 245                       | 535                              | 14           |
| 03190F70121A16 | 12 g 2,5   | 63 x 8,2                  | 493                       | 1004                             | 14           |
| 03190F72041A12 | 4 g 4  | 26,8 x 9                  | 241                       | 440                              | 12           |
| 03190F72041A10 | 4 g 6  | 29,7 x 9,7                | 353                       | 603                              | 10           |
| 03190F72041A08 | 4 g 10   | 35,9 x 11,7               | 497                       | 955                              | 8            |
| 03190F72041A06 | 4 g 16   | 39,9 x 13,1               | 805                       | 1254                             | 6            |
| 03190F72041A04 | 4 g 25   | 45,5 x 14,2               | 1200                      | 1694                             | 4            |
| 03190F72041A02 | 4 g 35   | 53,1 x 16,4               | 1657                      | 2282                             | 2            |
| 03190F72041A01 | 4 g 50   | 63,2 x 19,2               | 2261                      | 3130                             | 1            |
| 03190F72041A2C | 4 g 70   | 75 x 22,9                 | 3259                      | 4680                             | 2/0          |
| 03190F72041A3C | 4 g 95   | 79,1 x 24                 | 4311                      | 5605                             | 3/0          |
| 03190F70042A18 | 4 x (2 x 1)STD   | 32 x 11,7                 | 156                       | 525                              | 18           |
| 03190F70072A18 | 7 x (2 x 1)STD   | 57,5 x 11,7               | 205                       | 909                              | 18           |
| 03190F70122A18 | 12 x (2 x 1)STD  | 68,3 x 15,4               | 460                       | 1500                             | 18           |
| 03190F70122A18 | 4 x (4 g 1,5)STD                                       | 40,6 x 11,5               | 440                       | 900                              | 16           |

Other dimensions and colors available on request.

# FLEXIFESTOON® PV-FLAT UL



ELETTROTEK KABEL® FLEXIFESTOON® PV-FLAT UL  
UL Festoon and AWM 105°C 600 V, CSA Festoon 105°C 600 V

ELETTROTEK KABEL® FLEXIFESTOON® PV-FLAT UL  
UL Festoon and AWM 105°C 600 V, CSA Festoon 105°C 600 V

## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CLASS M<br><b>FROM 16 AWG UP TO 14 AWG</b><br>FLEXIBLE RED COPPER CONDUCTOR CLASS K<br><b>FROM 12 AWG AND LARGER</b> |
| <b>INSULATION:</b>   | SPECIAL PVC COMPOUND 105°C   |
| <b>CORES COLOR:</b>  | ACC. TO ICEA METHOD 1-E2 (K-2)*<br>*5 CONDUCTORS:<br>1 GREEN, 2 WHITE, 3 BLACK,<br>4 RED AND BLUE  |
| <b>STRANDING:</b>    | CORES LAYING PARALLEL  |
| <b>OUTER SHEATH:</b> | YELLOW (SIMILAR TO RAL 1021),<br>SPECIAL PVC COMPOUND 105°C<br>BLACK (SIMILAR TO RAL 9005),<br>ON REQUEST  |

## Technical data:

|                                      |                      |
|--------------------------------------|----------------------|
| <b>NOMINAL VOLTAGE:</b>              | 600 V                |
| <b>MAX. OPERATING VOLTAGE:</b>       | 2000 V               |
| <b>TEST VOLTAGE:</b>                 | 2 kV                 |
| <b>TEMPERATURE RANGE:</b>            | -40°C UP TO +105°C   |
| <b>MAX. TEMP ON CONDUCTOR:</b>       |                      |
| IN SERVICE:                          | UP TO +90°C (105°C)  |
| IN SHORT CIRCUIT:                    | UP TO +150°C         |
| <b>MIN. BENDING RADIUS:</b>          | 5 x D                |
| <b>TENSILE STRENGTH:</b>             |                      |
| STATIC:                              | 15 N/mm <sup>2</sup> |
| DYNAMIC:                             | 30 N/mm <sup>2</sup> |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 120 m/min            |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
UL VW-1, CSA FT1

## Features:

- OIL RESISTANT OUTER SHEATH
- UV RESISTANT
- COLD RESISTANT
- INDOOR/OUTDOOR USE
- HIGH FLEXIBILITY
- MINIMUM WASTE OF SPACE
- ACC. TO NEC APPROVAL
- UL FESTOON AND AWM 105°C 600 V
- CSA FESTOON 105°C 600 V

# FLEXIFESTOON® PV-FLAT UL



ELETTROTEK KABEL® FLEXIFESTOON® PV-FLAT UL  
UL Festoon and AWM 105°C 600 V, CSA Festoon 105°C 600 V

ELETTROTEK KABEL® FLEXIFESTOON® PV-FLAT UL  
UL Festoon and AWM 105°C 600 V, CSA Festoon 105°C 600 V

| Part no.       | No. of cores<br>x cross section<br>n x AWG | Outer Ø<br>inches/mm<br>±10% | Copper<br>weight<br>Lbs/Mft - kg/km | Cable<br>weight approx.<br>Lbs/Mft - kg/km |
|----------------|--|------------------------------|-------------------------------------|--|
| 03220FYU040A16 | 4 x 16                                     | 0,6 x 0,2 - 15,2 x 5,1       | 33,8 - 50,3                         | 87,4 - 130                                 |
| 03220FYU080A16 | 8 x 16                                     | 1,12 x 0,2 - 28,5 x 5,1      | 67,6 - 100,6                        | 174,7 - 260                                |
| 03220FYU120A16 | 12 x 16                                    | 1,68 x 0,2 - 41 x 5,1        | 101,4 - 150,9                       | 268,8 - 400                                |
| 03220FYU040A14 | 4 x 14                                     | 0,69 x 0,24 - 17,5 x 6,2     | 53,7 - 79,9                         | 141,1 - 210                                |
| 03220FYU080A14 | 8 x 14                                     | 1,34 x 0,24 - 34 x 6,2       | 107,3 - 159,7                       | 255,4 - 380                                |
| 03220FYU120A14 | 12 x 14                                    | 1,97 x 0,24 - 50 x 6,2       | 161,3 - 240                         | 362,9 - 540                                |
| 03220FYU040A12 | 4 x 12                                     | 0,71 x 0,24 - 18,1 x 6       | 85,4 - 127,1                        | 168 - 250                                  |
| 03220FYU050A12 | 5 x 12                                     | 0,85 x 0,22 - 21,5 x 5,6     | 106,8 - 158,9                       | 201,6 - 300                                |
| 03220FYU080A12 | 8 x 12                                     | 1,34 x 0,24 - 34 x 6         | 170,8 - 254,2                       | 315,8 - 470                                |
| 03220FYU040A10 | 4 x 10                                     | 0,89 x 0,27 - 22,5 x 6,9     | 135,7 - 202                         | 255,4 - 380                                |
| 03220FYU050A10 | 5 x 10                                     | 1,08 x 0,27 - 27,5 x 6,9     | 169,7 - 252,5                       | 302,4 - 450                                |
| 03220FYU040A08 | 4 x 8                                      | 1,2 x 0,37 - 30,5 x 9,4      | 215,2 - 320,2                       | 403,2 - 600                                |
| 03220FYU040A06 | 4 x 6                                      | 1,45 x 0,43 - 36,8 x 10,9    | 343 - 510,7                         | 618,2 - 920                                |
| 03220FYU050A06 | 5 x 6                                      | 1,81 x 0,43 - 46 x 10,9      | 429 - 638,4                         | 780 - 1160,7                               |
| 03220FYU040A04 | 4 x 4                                      | 1,68 x 0,49 - 42,6 x 12,5    | 547,1 - 814,1                       | 873,6 - 1300                               |
| 03220FYU040A02 | 4 x 2                                      | 1,97 x 0,57 - 50 x 14,5      | 867 - 1290,2                        | 1276,8 - 1900                              |
| 03220FYU040A1C | 4 x 1/0                                    | 2,6 x 0,75 - 66 x 19,1       | 1378 - 2050,6                       | 2221 - 3305                                |
| 03220FYU040A2C | 4 x 2/0                                    | 2,72 x 0,79 - 69 x 20        | 1739,1 - 2588,2                     | 2587,2 - 3850                              |

Other dimensions and colors available on request.

# FLEXIFESTOON® PV-FLAT CYUL



ELETTROTEK KABEL® FLEXIFESTOON® PV-FLAT CY UL  
UL Festoon, VW1, 105°C 600 V, CSA Festoon, FT1, 105°C 600 V

ELETTROTEK KABEL® FLEXIFESTOON® PV-FLAT CY UL  
UL Festoon, VW1, 105°C 600 V, CSA Festoon, FT1, 105°C 600 V

## Construction:

|                      |   |
|----------------------|---|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR   |
| <b>INSULATION:</b>   | SPECIAL PVC COMPOUND 105°C  |
| <b>CORES COLOR:</b>  | ACC. TO ICEA METHOD 1-E2 (K-2)  |
| <b>WRAPPING:</b>     | CLEAR MYLAR TAPE  |
| <b>STRANDING:</b>    | CORES LAYING PARALLEL +<br>NYLON RIPCORDS   |
| <b>SCREEN:</b>       | TINNED COPPER BRAID   |
| <b>OUTER SHEATH:</b> | YELLOW (SIMILAR TO RAL 1021),<br>SPECIAL PVC COMPOUND 105°C<br>BLACK (SIMILAR TO RAL 9005),<br>ON REQUEST |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
UL VW-1, CSA FT1

## Technical data:

|                                |                    |
|--------------------------------|--------------------|
| <b>NOMINAL VOLTAGE:</b>        | 600 V              |
| <b>MAX. OPERATING VOLTAGE:</b> | 2000 V             |
| <b>TEST VOLTAGE:</b>           | 2 kV               |
| <b>TEMPERATURE RANGE:</b>      |                    |
| FIXED LAYING:                  | -40°C UP TO +105°C |
| FLEXIBLE APPLICATION:          | -10°C UP TO +70°C  |
| <b>MIN. BENDING RADIUS:</b>    | 5 x D              |

## Features:

- UV RESISTANT
- COLD RESISTANT
- INDOOR/OUTDOOR USE
- HIGH FLEXIBILITY
- MINIMUM WASTE OF SPACE
- ACC. TO NEC APPROVAL
- UL FESTOON, VW-1, 105°C 600 V
- CSA FESTOON, FT1, 105°C 600 V



| Part no.       | No. of cores<br>x cross section<br>n x AWG | Outer Ø<br>inches/mm<br>±10% | Copper<br>weight<br>Lbs/Mft - kg/km | Cable<br>weight approx.<br>Lbs/Mft - kg/km |
|----------------|--|------------------------------|-------------------------------------|--|
| 03340FYU040A14 | 4 x 14                                     | 0,256 x 0,799 - 6,5 x 20,3   | / - /                               | / - /                                      |
| 03340FYU120A16 | 12 x 16                                    | 0,270 x 2,1 - 6,86 x 53,34   | / - /                               | / - /                                      |

Other dimensions and colors available on request.



# FLEXIDRUM® T 100 UL

Continuously flexible single conductor, 0,6/1 kV, UL/CSA 1000 V



ELETTROTEK KABEL® FLEXIDRUM® T 100 UL  
AWM style 10553 or 10848 AWM I/II A/B 80°C 1000V FT1



## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6,<br>ACC TO IEC 60228, UL 758 |
| <b>INSULATION:</b>   | SPECIAL TPE COMPOUND   |
| <b>COLOUR CORES:</b> | BLACK  |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE   |
| <b>OUTER SHEATH:</b> | BLACK (RAL 9005), SPECIAL PUR COMPOUND                           |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL 1581 VW-1, CSA FT-1



**OIL RESISTANCE ACC. TO:**  
TMPU ACC. TO DIN VDE 0473 PART 811-2-1,  
EN 60811-2-1,  
IEC 60811-2-1



**HALOGEN FREE ACC. TO:**  
DIN VDE 0482 PART 267,  
EN 50267-2-1,  
IEC 60754-1

## Technical data:

|                                      |                            |                |
|--------------------------------------|----------------------------|----------------|
| <b>NOMINAL VOLTAGE:</b>              | U <sub>0</sub> /U 0,6/1 kV |                |
| <b>UL/CSA:</b>                       | 1000 V                     |                |
| <b>TEST VOLTAGE:</b>                 | 4 kV EN 50289-1-3          |                |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE:</b>            | <b>UL/CSA:</b> |
| FIXED LAYING:                        | -50°C UP TO +90°C          | UP TO +80°C    |
| FLEXIBLE INSTALLATION:               | -40°C UP TO +90°C          |                |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> CJ/Kg  |                |
| <b>MIN. BENDING RADIUS</b>           |                            |                |
| CONTINUOUSLY FLEXIBLE:               | 7,5 x D                    |                |
| <b>MAX PULLING FORCE:</b>            |                            |                |
| STATIC:                              | 50 N/mm <sup>2</sup>       |                |
| DINAMIC:                             | 20 N/mm <sup>2</sup>       |                |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min                  |                |

## Features:

- HIGHLY FLEXIBLE SINGLE CONDUCTOR FOR USE IN CABLE TRACKS
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC
- HIGH ABRASION RESISTANCE
- UV RESISTANT
- AWM STYLE 10553 AWM I/II A/B 80°C 1000V FT1 OR AWM STYLE 10848 AWM I/II A/B 80°C 1000V FT1
- TEST VOLTAGE ACC. TO EN 50289-1-3
- CONDUCTOR RESISTANCE AT 20°C ACC. TO EN 50289-1-2
- FOR SPEEDS AND MINIMUM BENDING RADIUS SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



| Part no.       | No. of cores x cross section n x mm <sup>2</sup> | Outer-Ø ca. mm ± 10% | Copper weight kg/km | Cable weight approx. kg/km | AWG no. (*) |
|----------------|--|----------------------|---------------------|----------------------------|-------------|
| 04030H7L010A16 | 1 x 1,5  | 5,6                  | 14,4                | 45                         | 16          |
| 04030H7L010A14 | 1 x 2,5  | 6,5                  | 24                  | 63                         | 14          |
| 04030H7L010A12 | 1 x 4  | 7,3                  | 38,4                | 85                         | 12          |
| 04030H7L010A10 | 1 x 6  | 8                    | 57,6                | 114                        | 10          |
| 04030H7L010A08 | 1 x 10   | 9,8                  | 96                  | 173                        | 8           |
| 04030H7L010A06 | 1 x 16   | 10,8                 | 153,6               | 245                        | 6           |
| 04030H7L010A04 | 1 x 25   | 12,7                 | 240                 | 353                        | 4           |
| 04030H7L010A02 | 1 x 35   | 14                   | 336                 | 459                        | 2           |
| 04030H7L010A01 | 1 x 50   | 16,1                 | 480                 | 638                        | 1           |
| 04030H7L010A2C | 1 x 70   | 18,1                 | 672                 | 854                        | 2/0         |
| 04030H7L010A3C | 1 x 95   | 21                   | 912                 | 1140                       | 3/0         |
| 04030H7L010A4C | 1 x 120  | 22,8                 | 1152                | 1394                       | 4/0         |
| 04030H7L010A5C | 1 x 150  | 24,6                 | 1440                | 1716                       | 250 MCM     |
| 04030H7L010A7C | 1 x 185  | 26,7                 | 1776                | 2077                       | 350 MCM     |
| 04030H7L010A9C | 1 x 240  | 31,5                 | 2304                | 2750                       | 450 MCM     |
| 04030H7L010ACC | 1 x 300  | 34,3                 | 2880                | 3389                       | 600 MCM     |

Other dimension and colours available on request.

# FLEXIDRUM® T 100 C UL

Continuously flexible single conductor with overall copper screen, 0,6/1 kV, UL/CSA 1000 V



ELETTROTEK KABEL® FLEXIDRUM® T 100 C UL  
AWM style 10553 or 10848 AWM I/II A/B 80°C 1000V FT1



## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6,<br>ACC TO IEC 60228, UL 758 |
| <b>INSULATION:</b>   | SPECIAL TPE COMPOUND   |
| <b>COLOUR CORES:</b> | BLACK  |
| <b>SCREEN:</b>       | TINNED COPPER BRAID ACC. TO UL1569                               |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE   |
| <b>OUTER SHEATH:</b> | BLACK (RAL 9005), SPECIAL PUR COMPOUND                           |

## Technical data:

|                                      |  |
|--------------------------------------|--|
| <b>NOMINAL VOLTAGE:</b>              | U <sub>0</sub> /U 0,6/1 kV                           |
| <b>UL/CSA:</b>                       | 1000 V   |
| <b>TEST VOLTAGE:</b>                 | 4 kV EN 50289-1-3                                    |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE:</b> -50°C UP TO +90°C                    |
| FIXED LAYING:                        | UP TO +80°C  |
| FLEXIBLE INSTALLATION:               | -40°C UP TO +90°C                                    |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> CJ/Kg                            |
| <b>MIN. BENDING RADIUS</b>           |  |
| CONTINUOUSLY FLEXIBLE:               | 7,5 x D<br>(OTHER MIN. BENDING RADIUS<br>ON REQUEST) |
| <b>MAX PULLING FORCE:</b>            |  |
| STATIC:                              | 50 N/mm <sup>2</sup>                                 |
| DINAMIC:                             | 20 N/mm <sup>2</sup>                                 |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min  |

## Resistance:



### SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:

DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL 1581 VW-1, CSA FT-1



### OIL RESISTANCE ACC. TO:

TMPU ACC. TO DIN VDE 0473 PART 811-2-1,  
EN 60811-2-1,  
IEC 60811-2-1



### HALOGEN FREE ACC. TO:

DIN VDE 0482 PART 267,  
EN 50267-2-1,  
IEC 60754-1

## Features:

- HIGHLY FLEXIBLE SINGLE CONDUCTOR FOR USE IN CABLE TRACKS
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC
- HIGH ABRASION RESISTANCE
- UV RESISTANT
- AWM STYLE 10553 AWM I/II A/B 80°C 1000V FT1 OR AWM STYLE 10848 AWM I/II A/B 80°C 1000V FT1
- TEST VOLTAGE ACC. TO EN 50289-1-3
- CONDUCTOR RESISTANCE AT 20°C ACC. TO EN 50289-1-2
- FOR SPEEDS AND MINIMUM BENDING RADIUS SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 04040H7L010A10 | 1 x 6  | 8,5                        | 77                        | 120                              | 10            |
| 04040H7L010A08 | 1 x 10   | 10,5                       | 127                       | 170                              | 8             |
| 04040H7L010A06 | 1 x 16   | 11,8                       | 189                       | 236                              | 6             |
| 04040H7L010A04 | 1 x 25   | 13,5                       | 285                       | 341                              | 4             |
| 04040H7L010A02 | 1 x 35   | 15                         | 389                       | 447                              | 2             |
| 04040H7L010A01 | 1 x 50   | 17,5                       | 544                       | 613                              | 1             |
| 04040H7L010A2C | 1 x 70   | 19,5                       | 768                       | 837                              | 2/0           |
| 04040H7L010A3C | 1 x 95   | 23                         | 1020                      | 1096                             | 3/0           |
| 04040H7L010A4C | 1 x 120  | 24,5                       | 1265                      | 1331                             | 4/0           |
| 04040H7L010A5C | 1 x 150  | 27,5                       | 1450                      | 1578                             | 250 MCM       |
| 04040H7L010A7C | 1 x 185  | 30                         | 2040                      | 2166                             | 350 MCM       |
| 04040H7L010A9C | 1 x 240  | 32                         | 2621                      | 2791                             | 450 MCM       |
| 04040H7L010ACC | 1 x 300  | 33                         | -                         | 3130                             | 600 MCM       |

Other dimension and colours available on request.

# FLEXIDRUM® T 101 UL

Continuously flexible single conductor, 0,6/1 kV, UL/CSA 1000 V



ELETTROTEK KABEL® FLEXIDRUM® T 101 UL  
AWM style 10553 or 10848 AWM I/II A/B 80°C 1000V FTI



## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6,<br>ACC TO IEC 60228, DIN VDE 0295 |
| <b>INSULATION:</b>   | SPECIAL TPE COMPOUND   |
| <b>COLOUR CORES:</b> | GREEN/YELLOW   |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE   |
| <b>OUTER SHEATH:</b> | BLACK (RAL 9005), SPECIAL PUR COMPOUND                                 |

## Resistance:



### SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:

DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL 1581 VW-1, CSA FT-1



### OIL RESISTANCE ACC. TO:

TMPO ACC. TO DIN VDE 0473 PART 811-2-1,  
EN 60811-2-1,  
IEC 60811-2-1



### HALOGEN FREE ACC. TO:

DIN VDE 0482 PART 267,  
EN 50267-2-1,  
IEC 60754-1

## Technical data:

|                                      |                            |                |
|--------------------------------------|----------------------------|----------------|
| <b>NOMINAL VOLTAGE:</b>              | U <sub>0</sub> /U 0,6/1 kV |                |
| <b>UL/CSA:</b>                       | 1000 V                     |                |
| <b>TEST VOLTAGE:</b>                 | 4 kV EN 50289-1-3          |                |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE:</b>            | <b>UL/CSA:</b> |
| FIXED LAYING:                        | -50°C UP TO +90°C          | UP TO +80°C    |
| FLEXIBLE INSTALLATION:               | -40°C UP TO +90°C          |                |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> CJ/Kg  |                |
| <b>MIN. BENDING RADIUS</b>           |                            |                |
| CONTINUOUSLY FLEXIBLE:               | 7,5 x D                    |                |
| <b>MAX PULLING FORCE:</b>            |                            |                |
| STATIC:                              | 50 N/mm <sup>2</sup>       |                |
| DINAMIC:                             | 20 N/mm <sup>2</sup>       |                |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min                  |                |

## Features:

- HIGHLY FLEXIBLE SINGLE CONDUCTOR FOR USE IN CABLE TRACKS
- GOOD CHEMICAL RESISTANCE
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC
- HIGH ABRASION RESISTANCE
- UV RESISTANT
- AWM STYLE 10553 AWM I/II A/B 80°C 1000V FTI OR AWM STYLE 10848 AWM I/II A/B 80°C 1000V FTI
- TEST VOLTAGE ACC. TO EN 50289-1-3
- CONDUCTOR RESISTANCE AT 20°C ACC. TO EN 50289-1-2
- FOR SPEEDS AND MINIMUM BENDING RADIUS SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. (*) |
|----------------|--|----------------------------|---------------------------|----------------------------------|----------------|
| 04070H7P011A16 | 1 g 1,5  | 5,6                        | 14,4                      | 45                               | 16             |
| 04070H7P011A14 | 1 g 2,5  | 6,5                        | 24                        | 63                               | 14             |
| 04070H7P011A12 | 1 g 4  | 7,3                        | 38,4                      | 86                               | 12             |
| 04070H7P011A10 | 1 g 6  | 8,0                        | 57,6                      | 114                              | 10             |
| 04070H7P011A08 | 1 g 10   | 8,7                        | 96                        | 149                              | 8              |
| 04070H7P011A06 | 1 g 16   | 10,3                       | 153,6                     | 210                              | 6              |
| 04070H7P011A04 | 1 g 25   | 11,9                       | 240                       | 310                              | 4              |
| 04070H7P011A02 | 1 g 35   | 13,7                       | 336                       | 420                              | 2              |
| 04070H7P011A01 | 1 g 50   | 16,1                       | 480                       | 625                              | 1              |
| 04070H7P011A2C | 1 g 70   | 18,1                       | 672                       | 854                              | 2/0            |
| 04070H7P011A3C | 1 g 95   | 21                         | 912                       | 1140                             | 3/0            |
| 04070H7P011A4C | 1 g 120  | 22,8                       | 1152                      | 1394                             | 4/0            |
| 04070H7P011A5C | 1 g 150  | 24,6                       | 1440                      | 1716                             | 250 MCM        |
| 04070H7P011A7C | 1 g 185  | 26,7                       | 1776                      | 2077                             | 350 MCM        |
| 04070H7P011A9C | 1 g 240  | 31,5                       | 2304                      | 2750                             | 450 MCM        |
| 04070H7P011ACC | 1 g 300  | 34,3                       | 2880                      | 3389                             | 600 MCM        |

Other dimension and colours available on request.

# FLEXIDRUM® T 101 C UL

Continuously flexible single conductor with overall copper screen, 0,6/1 kV, UL/CSA 1000 V



ELETTROTEK KABEL® FLEXIDRUM® T 101 C UL  
AWM style 10553 or 10848 AWM I/II A/B 80°C 1000V FT1



## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6,<br>ACC TO IEC 60228, DIN VDE 0295 |
| <b>INSULATION:</b>   | SPECIAL TPE COMPOUND   |
| <b>COLOUR CORES:</b> | GREEN/YELLOW   |
| <b>SCREEN:</b>       | TINNED COPPER BRAID  |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE   |
| <b>OUTER SHEATH:</b> | BLACK (RAL 9005), SPECIAL PUR COMPOUND                                 |

## Technical data:

|                                      |                            |                |
|--------------------------------------|----------------------------|----------------|
| <b>NOMINAL VOLTAGE:</b>              | U <sub>0</sub> /U 0,6/1 kV |                |
| <b>UL/CSA:</b>                       | 1000 V                     |                |
| <b>TEST VOLTAGE:</b>                 | 4 kV EN 50289-1-3          |                |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE:</b>            | <b>UL/CSA:</b> |
| FIXED LAYING:                        | -50°C UP TO +90°C          | UP TO +80°C    |
| FLEXIBLE INSTALLATION:               | -40°C UP TO +90°C          |                |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> CJ/Kg  |                |
| <b>MIN. BENDING RADIUS</b>           |                            |                |
| CONTINUOUSLY FLEXIBLE:               | 7,5 x D                    |                |
| <b>MAX PULLING FORCE:</b>            |                            |                |
| STATIC:                              | 50 N/mm <sup>2</sup>       |                |
| DINAMIC:                             | 20 N/mm <sup>2</sup>       |                |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min                  |                |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL 1581 VVW-1, CSA FT-1



**OIL RESISTANCE ACC. TO:**  
TMPU ACC. TO DIN VDE 0473 PART 811-2-1,  
EN 60811-2-1,  
IEC 60811-2-1



**HALOGEN FREE ACC. TO:**  
DIN VDE 0482 PART 267,  
EN 50267-2-1,  
IEC 60754-1

## Features:

- HIGHLY FLEXIBLE SINGLE CONDUCTOR FOR USE IN CABLE TRACKS
- GOOD CHEMICAL RESISTANCE
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC
- HIGH ABRASION RESISTANCE
- UV RESISTANT
- AWM STYLE 10553 AWM I/II A/B 80°C 1000V FT1 OR AWM STYLE 10848 AWM I/II A/B 80°C 1000V FT1
- TEST VOLTAGE ACC. TO EN 50289-1-3
- CONDUCTOR RESISTANCE AT 20°C ACC. TO EN 50289-1-2
- FOR SPEEDS AND MINIMUM BENDING RADIUS SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no.*) |
|----------------|--|----------------------------|---------------------------|----------------------------------|--------------|
| 04080H7P011A10 | 1 g 6  | 8,5                        | 77                        | 120                              | 10           |
| 04080H7P011A08 | 1 g 10   | 10,5                       | 127                       | 170                              | 8            |
| 04080H7P011A06 | 1 g 16   | 11,8                       | 189                       | 236                              | 6            |
| 04080H7P011A04 | 1 g 25   | 13,5                       | 285                       | 341                              | 4            |
| 04080H7P011A02 | 1 g 35   | 15                         | 389                       | 447                              | 2            |
| 04080H7P011A01 | 1 g 50   | 17,5                       | 544                       | 613                              | 1            |
| 04080H7P011A2C | 1 g 70   | 19,5                       | 768                       | 837                              | 2/0          |
| 04080H7P011A3C | 1 g 95   | 23                         | 1020                      | 1096                             | 3/0          |
| 04080H7P011A4C | 1 g 120  | 24,5                       | 1265                      | 1331                             | 4/0          |
| 04080H7P011A5C | 1 g 150  | 27,5                       | 1450                      | 1578                             | 250 MCM      |
| 04080H7P011A7C | 1 g 185  | 30                         | 2040                      | 2166                             | 350 MCM      |
| 04080H7P011A9C | 1 g 240  | 32                         | 2621                      | 2791                             | 450 MCM      |
| 04080H7P011ACC | 1 g 300  | 33                         | -                         | 3130                             | 600 MCM      |

Other dimension and colours available on request.

# FLEXIDRUM® TD 210

High speed continuously flexible PUR halogen-free data cable with colored cores,  
DIN VDE 300/500 UL/CSA 300 V



ELETTROTEK KABEL® FLEXIDRUM® TD 210



## Construction:

|                      |   |
|----------------------|---|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6,<br>ACC TO IEC 60228, DIN VDE 0295  |
| <b>INSULATION:</b>   | SPECIAL TPE COMPOUND  |
| <b>COLOUR CORES:</b> | ACC. TO DIN 47100   |
| <b>STRANDING:</b>    | IN LAYERS   |
| <b>WRAPPING:</b>     | NETTING TAPE OVER EACH LAYER<br>AND OVERALL NON-WOVEN TAPE              |
| <b>OUTER SHEATH:</b> | GREY (RAL7032), PUR TYPE TPU,<br>ACC. TO DIN VDE 0282 PART 10 + HD 21.1 |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL VW-1, CSA FT1, (ACC. TO DIMENSION) FT2



**OIL RESISTANCE:**  
VERY GOOD TPU ACC. TO DIN VDE 0282 PART 10  
DIN VDE 0473 PART 811-2-1  
IEC EN 60811-2-1



**HALOGEN FREE ACC. TO:**  
DIN VDE 0482 PART 267,  
EN 50267-2-1,  
IEC 60754-1

## Technical data:

|                                      |   |
|--------------------------------------|---|
| <b>NOMINAL VOLTAGE:</b>              | <b>DIN VDE:</b> U <sub>0</sub> /U 300/500 V<br><b>UL/CSA:</b> 300 V |
| <b>TEST VOLTAGE:</b>                 | 1,5 kV ACC. TO DIN VDE 0472 PART 509                                |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE:</b> -50°C UP TO +90°C<br><b>UL/CSA:</b> UP TO +80°C     |
| FIXED LAYING:                        | -50°C UP TO +90°C UP TO +80°C                                       |
| FLEXIBLE INSTALLATION:               | -40°C UP TO +90°C   |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> CJ/K g  |
| <b>MIN. BENDING RADIUS</b>           |   |
| CONTINUOUSLY FLEXIBLE:               | 5 x D   |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min   |

## Features:

FLEXIBLE AT LOW TEMPERATURES  
HIGH ABRASION RESISTANCE  
MAT SURFACE OUTER SHEATH  
GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC

**UL** AWM STYLE 21198 80°C 300V  
CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

FOR SPEEDS AND MINIMUM BENDING RADIUS  
SEE PAGES FROM 1 TO 4 OF CATALOGUE

ROHS AND CE APPROVAL



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. (*) |
|----------------|--|----------------------------|---------------------------|----------------------------------|----------------|
| 36350C64030A26 | 3 x 0,14   | 3,8                        | 4                         | 15                               | 26             |
| 36350C64040A26 | 4 x 0,14   | 4                          | 5,4                       | 18                               | 26             |
| 36350C64050A26 | 5 x 0,14   | 4,4                        | 6,7                       | 21                               | 26             |
| 36350C64070A26 | 7 x 0,14   | 5                          | 9,4                       | 27                               | 26             |
| 36350C64100A26 | 10 x 0,14  | 5,5                        | 13,4                      | 33                               | 24             |
| 36350C64140A26 | 14 x 0,14  | 5,9                        | 18,8                      | 40                               | 26             |
| 36350C64180A26 | 18 x 0,14  | 6,8                        | 24,2                      | 52                               | 26             |
| 36350C64250A26 | 25 x 0,14  | 8                          | 33,6                      | 66                               | 26             |
| 36350C64030A24 | 3 x 0,25   | 4,4                        | 7,2                       | 21                               | 24             |
| 36350C64040A24 | 4 x 0,25   | 4,7                        | 9,6                       | 24                               | 24             |
| 36350C64050A24 | 5 x 0,25   | 5                          | 12                        | 28                               | 24             |
| 36350C64070A24 | 7 x 0,25   | 5,7                        | 16,8                      | 37                               | 24             |
| 36350C64100A24 | 10 x 0,25  | 6                          | 24                        | 48                               | 24             |
| 36350C64140A24 | 14 x 0,25  | 6,5                        | 33,6                      | 60                               | 24             |
| 36350C64180A24 | 18 x 0,25  | 8                          | 43,2                      | 73                               | 24             |
| 36350C64250A24 | 25 x 0,25  | 9,4                        | 60                        | 99                               | 24             |
| 36350C64030A22 | 3 x 0,34   | 4,6                        | 9,8                       | 25                               | 22             |
| 36350C64040A22 | 4 x 0,34   | 4,7                        | 13                        | 28                               | 22             |
| 36350C64050A22 | 5 x 0,34   | 5,3                        | 16,3                      | 33                               | 22             |
| 36350C64070A22 | 7 x 0,34   | 6,1                        | 22,8                      | 44                               | 22             |
| 36350C64100A22 | 10 x 0,34  | 6,8                        | 32,6                      | 55                               | 22             |
| 36350C64140A22 | 14 x 0,34  | 7,3                        | 45,7                      | 73                               | 22             |
| 36350C64180A22 | 18 x 0,34  | 8,5                        | 58,8                      | 91                               | 22             |
| 36350C64250A22 | 25 x 0,34  | 10,2                       | 81,6                      | 124                              | 22             |

Other dimension and colours available on request.

# FLEXIDRUM® T 210

High speed continuously flexible PUR halogen-free control cable,  
DIN VDE 0,6/1 kV, UL/CSA 600/1000 V



ELETTROTEK KABEL® FLEXIDRUM® T 210  
UL Style 21223 80°C 600/1000V  
CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6,<br>ACC. TO IEC 60228, DIN VDE 0295                |
| <b>INSULATION:</b>   | SPECIAL TPE COMPOUND   |
| <b>COLOUR CORES:</b> | BLACK CORES WITH CONSECUTIVE NUMBERS<br>ACC. TO EN 50334,<br>GREEN-YELLOW FROM 3 CORES |
| <b>STRANDING:</b>    | IN LAYERS  |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE OVER EACH LAYER   |
| <b>OUTER SHEATH:</b> | GREY (RAL 7000) , PUR COMPOUND<br>ACC. TO UL1581                                       |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL VW-1, CSA FT1, FT2



**OIL RESISTANCE:**  
VERY GOOD TMPU ACC. TO DIN VDE 0282 PART 10  
DIN VDE 0473 PART 811-2-1  
IEC EN 60811-2-1



**HALOGEN FREE ACC. TO:**  
DIN VDE 0482 PART 267,  
EN 50267-2-1,  
IEC 60754-1

## Technical data:

|                                      |   |
|--------------------------------------|---|
| <b>NOMINAL VOLTAGE:</b>              | <b>DIN VDE:</b> U <sub>0</sub> /U 0,6/1 kV<br><b>UL/CSA:</b> 600/1000 V |
| <b>TEST VOLTAGE:</b>                 | 3 kV ACC. TO DIN VDE 0281 PART 2 + HD 21.2                              |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE:</b> -50°C UP TO +90°C UP TO +80°C<br><b>UL/CSA:</b>         |
| FIXED LAYING:                        |   |
| FLEXIBLE INSTALLATION:               | -40°C UP TO +90°C   |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> Cj/Kg   |
| <b>MIN. BENDING RADIUS</b>           |   |
| CONTINUOUSLY FLEXIBLE:               | 5 x D   |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min   |

## Features:

- FLEXIBLE AT LOW TEMPERATURES
- HIGH ABRASION RESISTANCE
- MAT SURFACE OUTER SHEATH
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC

**UL AWM STYLE 21223 80°C 600 1000 V**  
CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

FOR SPEEDS AND MINIMUM BENDING RADIUS  
SEE PAGES FROM 1 TO 4 OF CATALOGUE

ROHS AND CE APPROVAL



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. (*) |
|----------------|--|----------------------------|---------------------------|----------------------------------|----------------|
| 04110G40031A20 | 3 g 0,5  | 5,6                        | 14,4                      | 38                               | 20             |
| 04110G40041A20 | 4 g 0,5  | 6,2                        | 19,2                      | 45                               | 20             |
| 04110G40051A20 | 5 g 0,5  | 6,7                        | 24                        | 55                               | 20             |
| 04110G40071A20 | 7 g 0,5  | 7,6                        | 33,6                      | 72                               | 20             |
| 04110G40121A20 | 12 g 0,5   | 8,9                        | 57,6                      | 105                              | 20             |
| 04110G40181A20 | 18 g 0,5   | 10,5                       | 86,4                      | 155                              | 20             |
| 04110G40251A20 | 25 g 0,5   | 12,2                       | 120                       | 210                              | 20             |
| 04110G40341A20 | 34 g 0,5   | 13,7                       | 163,2                     | 260                              | 20             |
| 04110G40501A20 | 50 g 0,5   | 16,3                       | 240                       | 390                              | 20             |
| 04110G40611A20 | 61 g 0,5   | 18,2                       | 292,6                     | 450                              | 20             |
| 04110G41020A19 | 2 x 0,75   | 5,8                        | 14,6                      | 41                               | 19             |
| 04110G40031A19 | 3 g 0,75   | 6,5                        | 21,6                      | 55                               | 19             |
| 04110G40041A19 | 4 g 0,75   | 6,6                        | 28,8                      | 60                               | 19             |
| 04110G40051A19 | 5 g 0,75   | 7,2                        | 36                        | 75                               | 19             |
| 04110G40071A19 | 7 g 0,75   | 8,6                        | 50,4                      | 100                              | 19             |
| 04110G40121A19 | 12 g 0,75  | 10,3                       | 86,4                      | 150                              | 19             |
| 04110G40181A19 | 18 g 0,75  | 11,8                       | 129,6                     | 220                              | 19             |
| 04110G40251A19 | 25 g 0,75  | 14,2                       | 180                       | 290                              | 19             |
| 04110G40341A19 | 34 g 0,75  | 15,8                       | 244,8                     | 380                              | 19             |
| 04110G40501A19 | 50 g 0,75  | 18,7                       | 360                       | 540                              | 19             |
| 04110G40611A19 | 61 g 0,75  | 20,8                       | 439,2                     | 650                              | 19             |

# FLEXIDRUM® T 210

High speed continuously flexible PUR halogen-free control cable,  
DIN VDE 0,6/1 kV, UL/CSA 600/1000 V



ELETTROTEK KABEL® FLEXIDRUM® T 210  
UL Style 21223 80°C 600/1000V  
CSA, AWM I/II A/B 80°C 600V FT1 FT2 CE



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 04110G41020A18 | 2 x 1  | 6,7                        | 19,2                      | 50                               | 18            |
| 04110G40031A18 | 3 g 1  | 6,9                        | 28,8                      | 60                               | 18            |
| 04110G40041A18 | 4 g 1  | 7,1                        | 38,4                      | 75                               | 18            |
| 04110G40051A18 | 5 g 1  | 7,7                        | 48                        | 90                               | 18            |
| 04110G40071A18 | 7 g 1  | 9                          | 67,2                      | 125                              | 18            |
| 04110G40121A18 | 12 g 1   | 11                         | 115,2                     | 185                              | 18            |
| 04110G40181A18 | 18 g 1   | 13                         | 172,8                     | 270                              | 18            |
| 04110G40251A18 | 25 g 1   | 15,7                       | 240                       | 370                              | 18            |
| 04110G40341A18 | 34 g 1   | 17,4                       | 326,4                     | 490                              | 18            |
| 04110G40501A18 | 50 g 1   | 20,5                       | 480                       | 695                              | 18            |
| 04110G40611A18 | 61 g 1   | 22,9                       | 586,6                     | 870                              | 18            |
| 04110G41020A16 | 2 x 1,5  | 7,3                        | 28,8                      | 50                               | 16            |
| 04110G40031A16 | 3 g 1,5  | 7,4                        | 43,2                      | 80                               | 16            |
| 04110G40041A16 | 4 g 1,5  | 7,9                        | 57,6                      | 100                              | 16            |
| 04110G40051A16 | 5 g 1,5  | 8,6                        | 72                        | 120                              | 16            |
| 04110G40071A16 | 7 g 1,5  | 10,1                       | 100,8                     | 170                              | 16            |
| 04110G40121A16 | 12 g 1,5   | 12,4                       | 172,8                     | 260                              | 16            |
| 04110G40181A16 | 18 g 1,5   | 14,5                       | 259,2                     | 375                              | 16            |
| 04110G40251A16 | 25 g 1,5   | 18                         | 360                       | 510                              | 16            |
| 04110G40341A16 | 34 g 1,5   | 19,9                       | 489,6                     | 690                              | 16            |
| 04110G40501A16 | 50 g 1,5   | 23,4                       | 720                       | 975                              | 16            |
| 04110G40611A16 | 61 g 1,5   | 26                         | 878,4                     | 1200                             | 16            |
| 04110G41020A14 | 2 x 2,5  | 8,3                        | 48                        | 78                               | 14            |
| 04110G40031A14 | 3 g 2,5  | 8,8                        | 72                        | 125                              | 14            |
| 04110G40041A14 | 4 g 2,5  | 10,2                       | 96                        | 160                              | 14            |
| 04110G40051A14 | 5 g 2,5  | 11,1                       | 120                       | 190                              | 14            |
| 04110G40071A14 | 7 g 2,5  | 13,2                       | 168                       | 270                              | 14            |
| 04110G40121A14 | 12 g 2,5   | 15,8                       | 288                       | 420                              | 14            |
| 04110G40181A14 | 18 g 2,5   | 18,6                       | 432                       | 620                              | 14            |
| 04110G40251A14 | 25 g 2,5   | 22,8                       | 600                       | 830                              | 14            |
| 04110G40031A12 | 3 g 4  | 10,5                       | 115,2                     | 180                              | 12            |
| 04110G40041A12 | 4 g 4  | 11,4                       | 153,6                     | 230                              | 12            |
| 04110G40051A12 | 5 g 4  | 12,5                       | 192                       | 290                              | 12            |
| 04110G40031A10 | 3 g 6  | 12,4                       | 172,8                     | 260                              | 10            |
| 04110G40041A10 | 4 g 6  | 13,8                       | 230,4                     | 330                              | 10            |
| 04110G40051A10 | 5 g 6  | 15,1                       | 288                       | 420                              | 10            |
| 04110G40031A08 | 3 g 10   | 15,6                       | 288                       | 430                              | 8             |
| 04110G40041A08 | 4 g 10   | 17,3                       | 384                       | 360                              | 8             |
| 04110G40051A08 | 5 g 10   | 19,3                       | 480                       | 520                              | 8             |
| 04110G40031A06 | 3 g 16   | 18,2                       | 460,8                     | 620                              | 6             |
| 04110G40041A06 | 4 g 16   | 20,2                       | 614,4                     | 800                              | 6             |
| 04110G40051A06 | 5 g 16   | 22,4                       | 768                       | 1000                             | 6             |
| 04110G40041A04 | 4 g 25   | 25,2                       | 960                       | 1200                             | 4             |
| 04110G40051A04 | 5 g 25   | 25,7                       | 1200                      | 1500                             | 4             |
| 04110G40041A02 | 4 g 35   | 26,8                       | 1344                      | 1620                             | 2             |
| 04110G40051A02 | 5 g 35   | 28,7                       | 1680                      | 2030                             | 2             |
| 04110G40051A01 | 4 g 50   | 34                         | 1920                      | 2280                             | 1             |

Other dimension and colours available on request.

# FLEXIDRUM® TD 210 C

High speed continuously flexible PUR halogen-free with colored cores and overall copper screen, DIN VDE 300/500 UL/CSA 300 V



ELETTROTEK KABEL® FLEXIDRUM® TD 210 C



## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC. TO IEC 60228, DIN VDE 0295   |
| <b>INSULATION:</b>   | SPECIAL TPE COMPOUND   |
| <b>COLOUR CORES:</b> | ACC. TO DIN 47100  |
| <b>STRANDING:</b>    | IN LAYERS  |
| <b>WRAPPING:</b>     | NETTING TAPE OVER EACH LAYER AND OVERALL NON-WOVEN TAPE                |
| <b>SCREEN:</b>       | TINNED COPPER BRAID  |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE   |
| <b>OUTER SHEATH:</b> | GREY (RAL 7032), PUR TYPE TMPU, ACC. TO DIN VDE 0282 PART 10 + HD 21.1 |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL VW-1, CSA FT1, (ACC. TO DIMENSION) FT2



**OIL RESISTANCE:**  
VERY GOOD TMPU ACC. TO DIN VDE 0282 PART 10  
DIN VDE 0473 PART 811-2-1  
IEC EN 60811-2-1



**HALOGEN FREE ACC. TO:**  
DIN VDE 0482 PART 267,  
EN 50267-2-1,  
IEC 60754-1

## Technical data:

|                                      |   |
|--------------------------------------|---|
| <b>NOMINAL VOLTAGE:</b>              | <b>DIN VDE:</b> U <sub>0</sub> /U 300/500 V<br><b>UL/CSA:</b> 300 V |
| <b>TEST VOLTAGE:</b>                 | 1,5 kV ACC. TO DIN VDE 0472 PART 509<br>CORE/SCREEN 1,2 kV          |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE:</b> <b>UL/CSA:</b>                                      |
| FIXED LAYING:                        | -50°C UP TO +90°C    UP TO +80°C                                    |
| FLEXIBLE INSTALLATION:               | -40°C UP TO +90°C   |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> CJ/K g  |
| <b>MIN. BENDING RADIUS</b>           |   |
| CONTINUOUSLY FLEXIBLE:               | 7,5 x D   |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min   |

## Features:

- FLEXIBLE AT LOW TEMPERATURES
- HIGH ABRASION RESISTANCE
- MAT SURFACE OUTER SHEATH
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC
- FOR SPEEDS AND MINIMUM BENDING RADIUS  
SEE PAGES FROM 1 TO 4 OF CATALOGUE
- AWM STYLE 21198 80°C 300V  
CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 36360C64030A26 | 3 x 0,14   | 3,8                        | 13                        | 22                               | 26            |
| 36360C64040A26 | 4 x 0,14   | 4,1                        | 16,2                      | 27                               | 26            |
| 36360C64050A26 | 5 x 0,14   | 4,3                        | 17,7                      | 32                               | 26            |
| 36360C64070A26 | 7 x 0,14   | 4,9                        | 22,7                      | 45                               | 26            |
| 36360C64100A26 | 10 x 0,14  | 5,6                        | 41                        | 50                               | 24            |
| 36360C64140A26 | 14 x 0,14  | 6,3                        | 45                        | 58                               | 26            |
| 36360C64180A26 | 18 x 0,14  | 6,7                        | 53,2                      | 82                               | 26            |
| 36360C64250A26 | 25 x 0,14  | 7,8                        | 71,2                      | 105                              | 26            |
| 36360C64030A24 | 3 x 0,25   | 4,8                        | 18,1                      | 28                               | 24            |
| 36360C64040A24 | 4 x 0,25   | 5,1                        | 20,7                      | 33                               | 24            |
| 36360C64050A24 | 5 x 0,25   | 5,5                        | 25,1                      | 43                               | 24            |
| 36360C64070A24 | 7 x 0,25   | 6,2                        | 32,5                      | 55                               | 24            |
| 36360C64100A24 | 10 x 0,25  | 6,8                        | 52                        | 65                               | 24            |
| 36360C64140A24 | 14 x 0,25  | 7,5                        | 62                        | 75                               | 24            |
| 36360C64180A24 | 18 x 0,25  | 8,5                        | 75,6                      | 108                              | 24            |
| 36360C64250A24 | 25 x 0,25  | 10                         | 100,8                     | 135                              | 24            |
| 36360C64030A22 | 3 x 0,34   | 5,1                        | 20,4                      | 35                               | 22            |
| 36360C64040A22 | 4 x 0,34   | 4,5                        | 26,2                      | 44                               | 22            |
| 36360C64050A22 | 5 x 0,34   | 5,8                        | 29,7                      | 54                               | 22            |
| 36360C64070A22 | 7 x 0,34   | 6,6                        | 53                        | 65                               | 22            |
| 36360C64100A22 | 10 x 0,34  | 7,2                        | 65                        | 85                               | 22            |
| 36360C64140A22 | 14 x 0,34  | 8                          | 75                        | 100                              | 22            |
| 36360C64180A22 | 18 x 0,34  | 9                          | 96,6                      | 128                              | 22            |
| 36360C64250A22 | 25 x 0,34  | 10,8                       | 131,5                     | 170                              | 22            |

Other dimension and colours available on request.



# FLEXIDRUM® T 210 C

High speed continuously flexible PUR halogen-free control cable with overall copper screen, DIN VDE 0,6/1 kV, UL/CSA 600/1000 V



ELETTROTEK KABEL® FLEXIDRUM® T 210 C  
UL Style 21223 80°C 600/1000 V  
CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC. TO IEC 60228, DIN VDE 0295             |
| <b>INSULATION:</b>   | SPECIAL TPE COMPOUND   |
| <b>COLOUR CORES:</b> | BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES |
| <b>STRANDING:</b>    | IN LAYERS  |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE OVER EACH LAYER   |
| <b>SCREEN:</b>       | TINNED COPPER BRAID  |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE   |
| <b>OUTER SHEATH:</b> | GRAY (SIMILAR TO RAL 7000), PUR TYPE TMPU ACC. TO DIN VDE 0282 PART.10 + HD 22.1 |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL VW-1, CSA FT1, (ACC. TO DIMENSION) FT2



**OIL RESISTANCE:**  
VERY GOOD TMPU ACC. TO DIN VDE 0282 PART 10  
DIN VDE 0473 PART 811-2-1  
IEC EN 60811-2-1




**HALOGEN FREE ACC. TO:**  
DIN VDE 0482 PART 267,  
EN 50267-2-1,  
IEC 60754-1 (EQUIVALENT DIN VDE 0472 PART 815)

## Technical data:

|                                      |   |
|--------------------------------------|---|
| <b>NOMINAL VOLTAGE:</b>              | <b>DIN VDE:</b> U <sub>0</sub> /U 0,6/1 kV<br><b>UL/CSA:</b> 600/1000 V |
| <b>TEST VOLTAGE:</b>                 | 3 kV ACC. TO DIN VDE 0281 PART 2 + HD 21.2<br>CORE/SCREEN 2 kV          |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE:</b> -50°C UP TO +90°C<br><b>UL/CSA:</b> UP TO +80°C         |
| FIXED LAYING:                        | -50°C UP TO +90°C   |
| FLEXIBLE INSTALLATION:               | -40°C UP TO +90°C   |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> CJ/Kg   |
| <b>MIN. BENDING RADIUS</b>           |   |
| CONTINUOUSLY FLEXIBLE:               | 7,5 x D   |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min   |

## Features:

- FLEXIBLE AT LOW TEMPERATURES
- HIGH ABRASION RESISTANCE
- MAT SURFACE OUTER SHEATH
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC
- GOOD EMC RESISTANCE
-  AWM STYLE 21223 80°C 600 1000 V  
CSA AWM I/II A/B 80°C 600V FT1 FT2 CE
- FOR SPEEDS AND MINIMUM BENDING RADIUS  
SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



# FLEXIDRUM® T 210 C

High speed continuously flexible PUR halogen-free control cable with overall copper screen, DIN VDE 0,6/1 kV, UL/CSA 600/1000 V



ELETTROTEK KABEL® FLEXIDRUM® T 210 C  
UL Style 21223 80°C 600/1000 V  
CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 04120G41020A20 | 2 x 0,5  | 6,1                        | 19                        | 47                               | 20            |
| 04120G40031A20 | 3 g 0,5  | 6,3                        | 43,6                      | 58                               | 20            |
| 04120G40041A20 | 4 g 0,5  | 6,7                        | 51,1                      | 67                               | 20            |
| 04120G40051A20 | 5 g 0,5  | 7,1                        | 61,5                      | 77                               | 20            |
| 04120G40071A20 | 7 g 0,5  | 8,2                        | 74,1                      | 101                              | 20            |
| 04120G40121A20 | 12 g 0,5   | 9,6                        | 108,2                     | 151                              | 20            |
| 04120G40181A20 | 18 g 0,5   | 11,1                       | 143                       | 203                              | 20            |
| 04120G40251A20 | 25 g 0,5   | 12,9                       | 217                       | 299                              | 20            |
| 04120G40301A20 | 30 g 0,5   | 14,3                       | 235                       | 330                              | 20            |
| 04120G40311A20 | 36 g 0,5   | 14,6                       | 275,3                     | 379                              | 20            |
| 04120G41020A19 | 2 x 0,75   | 6,4                        | 27,3                      | 53                               | 19            |
| 04120G40031A19 | 3 g 0,75   | 6,9                        | 54,1                      | 70                               | 19            |
| 04120G40041A19 | 4 g 0,75   | 7,3                        | 64                        | 82                               | 19            |
| 04120G40051A19 | 5 g 0,75   | 7,9                        | 74,3                      | 98                               | 19            |
| 04120G40071A19 | 7 g 0,75   | 9,2                        | 92,3                      | 123                              | 19            |
| 04120G40121A19 | 12 g 0,75  | 11                         | 142,4                     | 192                              | 19            |
| 04120G40181A19 | 18 g 0,75  | 12,6                       | 215,3                     | 294                              | 19            |
| 04120G40251A19 | 25 g 0,75  | 15,2                       | 289,7                     | 386                              | 19            |
| 04120G40301A19 | 30 g 0,75  | 16,5                       | 320                       | 440                              | 19            |
| 04120G40311A19 | 36 g 0,75  | 16,7                       | 387,7                     | 520                              | 19            |
| 04120G40031A18 | 3 g 1  | 7,1                        | 66,4                      | 82                               | 18            |
| 04120G40041A18 | 4 g 1  | 8,1                        | 77,3                      | 97                               | 18            |
| 04120G40051A18 | 5 g 1  | 8,6                        | 89                        | 114                              | 18            |
| 04120G40071A18 | 7 g 1  | 10                         | 117,9                     | 159                              | 18            |
| 04120G40121A18 | 12 g 1   | 12                         | 174,9                     | 239                              | 18            |
| 04120G40181A18 | 18 g 1   | 13,8                       | 270,2                     | 353                              | 18            |
| 04120G40251A18 | 25 g 1   | 16,5                       | 367,5                     | 481                              | 18            |
| 04120G40301A18 | 30 g 1   | 18                         | 410                       | 550                              | 18            |
| 04120G40311A18 | 36 g 1   | 18,3                       | 478,7                     | 633                              | 18            |
| 04120G41020A16 | 2 x 1,5  | 7,4                        | 45                        | 75                               | 16            |
| 04120G40031A16 | 3 g 1,5  | 8,1                        | 81,5                      | 104                              | 16            |
| 04120G40041A16 | 4 g 1,5  | 8,8                        | 101,2                     | 125                              | 16            |
| 04120G40051A16 | 5 g 1,5  | 9,3                        | 122,2                     | 145                              | 16            |
| 04120G40071A16 | 7 g 1,5  | 11,1                       | 156,8                     | 206                              | 16            |
| 04120G40121A16 | 12 g 1,5   | 13,4                       | 269,7                     | 341                              | 16            |
| 04120G40181A16 | 18 g 1,5   | 15,5                       | 369,2                     | 465                              | 16            |
| 04120G40251A16 | 25 g 1,5   | 17,5                       | 493,4                     | 633                              | 16            |
| 04120G40301A16 | 30 g 1,5   | 20,5                       | 525                       | 750                              | 16            |
| 04120G40311A16 | 36 g 1,5   | 20,7                       | 660,3                     | 856                              | 16            |
| 04120G41020A14 | 2 x 2,5  | 8,8                        | 65,5                      | 110                              | 14            |
| 04120G40031A14 | 3 g 2,5  | 8,7                        | 122,8                     | 159                              | 14            |
| 04120G40041A14 | 4 g 2,5  | 11                         | 150,1                     | 197                              | 14            |
| 04120G40051A14 | 5 g 2,5  | 11,5                       | 179,6                     | 236                              | 14            |
| 04120G40071A14 | 7 g 2,5  | 14                         | 265,2                     | 335                              | 14            |
| 04120G40121A14 | 12 g 2,5   | 16,3                       | 417,1                     | 525                              | 14            |
| 04120G40181A14 | 18 g 2,5   | 19,7                       | 571,4                     | 739                              | 14            |
| 04120G40251A14 | 25 g 2,5   | 23,7                       | 780,8                     | 1004                             | 14            |
| 04120G40031A12 | 3 g 4  | 11,2                       | 172,9                     | 224                              | 12            |
| 04120G40041A12 | 4 g 4  | 12,1                       | 216,5                     | 287                              | 12            |
| 04120G40051A12 | 5 g 4  | 13,2                       | 289,2                     | 357                              | 12            |
| 04120G40031A10 | 3 g 6  | 13,1                       | 258,8                     | 334                              | 10            |
| 04120G40041A10 | 4 g 6  | 14,7                       | 328,3                     | 414                              | 10            |
| 04120G40051A10 | 5 g 6  | 16                         | 398,4                     | 485                              | 10            |
| 04120G40031A08 | 3 g 10   | 16,5                       | 392,9                     | 502                              | 8             |
| 04120G40041A08 | 4 g 10   | 18,3                       | 507,4                     | 624                              | 8             |
| 04120G40051A08 | 5 g 10   | 20,5                       | 615,5                     | 731                              | 8             |
| 04120G40031A06 | 3 g 16   | 19,1                       | 598,4                     | 724                              | 6             |
| 04120G40041A06 | 4 g 16   | 21,1                       | 758,2                     | 915                              | 6             |
| 04120G40051A06 | 5 g 16   | 23,3                       | 947,1                     | 1101                             | 6             |
| 04120G40041A04 | 4 g 25   | 25,9                       | 1148                      | 1312                             | 4             |
| 04120G40051A04 | 5 g 25   | 28,5                       | 1400,1                    | 1610                             | 4             |
| 04120G40041A02 | 4 g 35   | 29,7                       | 1546,4                    | 1765                             | 2             |
| 04120G40051A02 | 5 g 35   | 32,5                       | 1915,1                    | 2119                             | 2             |

Other dimension and colours available on request.

# FLEXIDRUM® TD 210 C TP

High speed continuously flexible PUR halogen-free, screened, twisted pairs data cable,  
DIN VDE 300/500 UL/CSA 300 V



ELETTROTEK KABEL® FLEXIDRUM® TD 210 C TP



## Construction:

|                      |   |
|----------------------|---|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6,<br>ACC TO IEC 60228, DIN VDE 0295    |
| <b>INSULATION:</b>   | SPECIAL TPE COMPOUND  |
| <b>COLOUR CORES:</b> | ACC. TO DIN 47100   |
| <b>STRANDING:</b>    | CORES TWISTED IN PAIRS, PAIRS TWISTED IN LAYERS                           |
| <b>WRAPPING:</b>     | NETTING TAPE OVER EACH LAYER  |
| <b>SCREEN:</b>       | TINNED COPPER BRAID   |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE  |
| <b>OUTER SHEATH:</b> | GREY (RAL 7032), PUR TYPE TMPU,<br>ACC. TO DIN VDE 0282 PART 10 + HD 21.1 |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL VW-1, CSA FT1, (ACC. TO DIMENSION) FT2



**OIL RESISTANCE:**  
VERY GOOD TMPU ACC. TO DIN VDE 0282 PART 10  
DIN VDE 0473 PART 811-2-1  
IEC EN 60811-2-1



**HALOGEN FREE ACC. TO:**  
DIN VDE 0482 PART 267,  
EN 50267-2-1,  
IEC 60754-1

## Technical data:

|                                      |   |
|--------------------------------------|---|
| <b>NOMINAL VOLTAGE:</b>              | <b>DIN VDE:</b> U <sub>0</sub> /U 300/500 V<br><b>UL/CSA:</b> 300 V |
| <b>TEST VOLTAGE:</b>                 | 1,5 kV ACC. TO DIN VDE 0472 PART 509<br>CORE/SCREEN 1,2 kV          |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE:</b> <b>UL/CSA:</b>                                      |
| FIXED LAYING:                        | -50°C UP TO +90°C    UP TO +80°C                                    |
| FLEXIBLE INSTALLATION:               | -40°C UP TO +90°C   |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> Cj/Kg   |
| <b>MIN. BENDING RADIUS</b>           |   |
| CONTINUOUSLY FLEXIBLE:               | 7,5 x D   |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min   |

## Features:

- FLEXIBLE AT LOW TEMPERATURES
- HIGH ABRASION RESISTANCE
- MAT SURFACE OUTER SHEATH
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC
- GOOD EMC RESISTANCE

**UL** AWM STYLE 21198 80°C 300 V  
CSA AWM I/II A/B 80°C 300V FT1 FT2 CE  
OR:  
**UL** US AWM STYLE 20233 80°C 300 V FT2 CE

FOR SPEEDS AND MINIMUM BENDING RADIUS  
SEE PAGES FROM 1 TO 4 OF CATALOGUE

ROHS AND CE APPROVAL



# FLEXIDRUM® TD 210 C TP

High speed continuously flexible PUR halogen-free, screened, twisted pairs data cable, DIN VDE 300/500 UL/CSA 300 V



ELETTROTEK KABEL® FLEXIDRUM® TD 210 C TP



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 36370C64022A26 | 2 x 2 x 0,14   | 5,3                        | 17,4                      | 28                               | 26            |
| 36370C64032A26 | 3 x 2 x 0,14   | 5,9                        | 20,2                      | 32                               | 26            |
| 36370C64042A26 | 4 x 2 x 0,14   | 6,3                        | 24,7                      | 39                               | 26            |
| 36370C64052A26 | 5 x 2 x 0,14   | 6,7                        | 28,8                      | 46                               | 26            |
| 36370C64072A26 | 7 x 2 x 0,14   | 7,8                        | 35,9                      | 59                               | 26            |
| 36370C64102A26 | 10 x 2 x 0,14  | 9                          | 47,5                      | 72                               | 24            |
| 36370C64142A26 | 14 x 2 x 0,14  | 9,8                        | 62,7                      | 96                               | 26            |
| 36370C64182A26 | 18 x 2 x 0,14  | 10,4                       | 89,6                      | 129                              | 26            |
| 36370C64252A26 | 25 x 2 x 0,14  | 11,7                       | 114,3                     | 170                              | 26            |
| 36370C64022A24 | 2 x 2 x 0,25   | 5,7                        | 21,8                      | 35                               | 24            |
| 36370C64032A24 | 3 x 2 x 0,25   | 6,3                        | 28,3                      | 44                               | 24            |
| 36370C64042A24 | 4 x 2 x 0,25   | 7                          | 36,1                      | 52                               | 24            |
| 36370C64052A24 | 5 x 2 x 0,25   | 7,5                        | 41,1                      | 71                               | 24            |
| 36370C64062A24 | 6 x 2 x 0,25   | 8,3                        | 47,3                      | 89                               | 24            |
| 36370C64072A24 | 7 x 2 x 0,25   | 8,5                        | 54,1                      | 92                               | 24            |
| 36370C64102A24 | 10 x 2 x 0,25  | 10                         | 70,8                      | 101                              | 24            |
| 36370C64142A24 | 14 x 2 x 0,25  | 10,8                       | 108,7                     | 153                              | 24            |
| 36370C64182A24 | 18 x 2 x 0,25  | 11,4                       | 133,4                     | 189                              | 24            |
| 36370C64252A24 | 25 x 2 x 0,25  | 12,9                       | 171,9                     | 262                              | 24            |
| 36370C64022A22 | 2 x 2 x 0,34   | 6,1                        | 20,3                      | 40                               | 22            |
| 36370C64032A22 | 3 x 2 x 0,34   | 7                          | 34,9                      | 52                               | 22            |
| 36370C64042A22 | 4 x 2 x 0,34   | 7,5                        | 43,2                      | 63                               | 22            |
| 36370C64052A22 | 5 x 2 x 0,34   | 8,1                        | 53,1                      | 73                               | 22            |
| 36370C64072A22 | 7 x 2 x 0,34   | 9,3                        | 66,4                      | 94                               | 22            |
| 36370C64102A22 | 10 x 2 x 0,34  | 10,8                       | 90,5                      | 121                              | 22            |
| 36370C64142A22 | 14 x 2 x 0,34  | 11,8                       | 138,3                     | 181                              | 22            |
| 36370C64182A22 | 18 x 2 x 0,34  | 12,4                       | 169,2                     | 223                              | 22            |
| 36370C64252A22 | 25 x 2 x 0,34  | 14,2                       | 247,3                     | 313                              | 22            |
| 36370C64022A20 | 2 x 2 x 0,5  | 6,3                        | 34,6                      | 52                               | 20            |
| 36370C64032A20 | 3 x 2 x 0,5  | 7,5                        | 47,3                      | 69                               | 20            |
| 36370C64042A20 | 4 x 2 x 0,5  | 8,5                        | 61,4                      | 87                               | 20            |
| 36370C64052A20 | 5 x 2 x 0,5  | 9,5                        | 73,1                      | 115                              | 20            |
| 36370C64062A20 | 6 x 2 x 0,5  | 10,7                       | 85,3                      | 147                              | 20            |
| 36370C64072A20 | 7 x 2 x 0,5  | 11                         | 108,4                     | 161                              | 20            |
| 36370C64082A20 | 8 x 2 x 0,5  | 12                         | 121,5                     | 175                              | 20            |
| 36370C64102A20 | 10 x 2 x 0,5   | 13                         | 143,3                     | 192                              | 20            |
| 36370C64142A20 | 14 x 2 x 0,5   | 15                         | 191,7                     | 276                              | 20            |
| 36370C64182A20 | 18 x 2 x 0,5   | 16,5                       | 257,8                     | 345                              | 20            |
| 36370C64252A20 | 25 x 2 x 0,5   | 19,5                       | 336,5                     | 446                              | 20            |
| 36370C64022A19 | 2 x 2 x 0,75   | 9                          | 47,4                      | 69                               | 19            |
| 36370C64032A19 | 3 x 2 x 0,75   | 9,5                        | 66,2                      | 87                               | 19            |
| 36370C64042A19 | 4 x 2 x 0,75   | 10,5                       | 101                       | 112                              | 19            |
| 36370C64052A19 | 5 x 2 x 0,75   | 11,5                       | 118,8                     | 163                              | 19            |
| 36370C64072A19 | 7 x 2 x 0,75   | 12,5                       | 148                       | 212                              | 19            |
| 36370C64082A19 | 8 x 2 x 0,75   | 14                         | 188                       | 258                              | 19            |
| 36370C64102A19 | 10 x 2 x 0,75  | 15,5                       | 228                       | 296                              | 19            |
| 36370C64122A19 | 12 x 2 x 0,75  | 16                         | 266                       | 358                              | 19            |
| 36370C64142A19 | 14 x 2 x 0,75  | 17,5                       | 296,9                     | 390                              | 19            |
| 36370C64182A19 | 18 x 2 x 0,75  | 19,5                       | 366,1                     | 482                              | 19            |
| 36370C64252A19 | 25 x 2 x 0,75  | 22,5                       | 480,5                     | 620                              | 19            |
| 36370C64032A18 | 3 x 2 x 1  | 10                         | 88                        | 128                              | 18            |
| 36370C64042A18 | 4 x 2 x 1  | 10,7                       | 101,4                     | 153                              | 18            |
| 36370C64052A18 | 5 x 2 x 1  | 11,7                       | 119,4                     | 190                              | 18            |
| 36370C64062A18 | 6 x 2 x 1  | 12,8                       | 140                       | 250                              | 18            |
| 36370C64082A18 | 8 x 2 x 1  | 15,6                       | 191                       | 370                              | 18            |
| 36370C64062A16 | 6 x 2 x 1,5  | 14,8                       | 226                       | 319                              | 16            |

Other dimension and colours available on request.

# GAALFLEX® SERVO T 839 C

paired PUR transmission cable with coloured cores and overall copper screen



ELETTROTEK KABEL® GAALFLEX® SERVO T 839 C



## Construction:

|                      |   |
|----------------------|---|
| <b>CONDUCTOR:</b>    | FLEXIBLE TINNED COPPER ACC. TO DIN VDE 0812   |
| <b>INSULATION:</b>   | SPECIAL POLYMER COMPOUND  |
| <b>COLOUR CORES:</b> | DIN 47100 AS FAR APPLICABLE   |
| <b>SCREEN:</b>       | PAIRS SCREENED INDIVIDUALLY WITH TINNED COPPER BRAID  |
| <b>INNER SHEATH:</b> | SPECIAL POLYMER COMPOUND  |
| <b>STRANDING:</b>    | CORES TWISTED TOGETHER IN PAIRS AND IN LAYERS   |
| <b>WRAPPING:</b>     | NON WOVEN TAPE OR PETP FOILL  |
| <b>SCREEN:</b>       | TINNED COPPER BRAID   |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE  |
| <b>OUTER SHEATH:</b> | GREEN (RAL 6018), PUR TYPE TMPU ACC. TO DIN VDE 0282 PART 10 + HD 22.1, OR GREEN (RAL 6018), PUR TYPE PU ACC. TO UL 758 |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
IEC 60332-1-2  
EN 60332-1-2  
UL CSA FT-1, FT-2



**OIL RESISTANCE:**  
VERY GOOD - PUR TMPU ACC. TO DIN VDE 0282 PART.10+ HD 22.10



**HALOGEN FREE ACC. TO:**  
DIN VDE 0472 PART 815 + IEC

## Technical data:

|                                      |   |
|--------------------------------------|---|
| <b>NOMINAL VOLTAGE:</b>              | MAX. 30 V <b>UL:</b> 30 V               |
| <b>TEST VOLTAGE:</b>                 | 750 V                                   |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE:</b> <b>UL:</b> UP TO + 80°C |
| FIXED LAYING:                        | - 50°C UP TO + 80°C                     |
| FLEXIBLE INSTALLATION:               | - 40°C UP TO + 80°C                     |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> Cj/kg               |
| <b>MIN. BENDING RADIUS</b>           |   |
| FIXED LAYING:                        | 5 x D                                   |
| FLEXIBLE INSTALLATION:               | 10 x D                                  |
| CONTINUOUSLY FLEXIBLE:               | 12 x D                                  |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min                               |

## Features:

- ULAWM STYLE 20236 80°C 30 V
- GOOD EMC CHARACTERISTICS
- FLEXIBLE INSTALLATION
- OIL RESISTANT
- VERY GOOD WEATHER RESISTANCE
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC.  
OR OIL-RATING 60°C ACC. TO UL 758
- LONG SERVICE LIFE
- ADHESION-FREE INSTALLATION
- HALOGEN-FREE
- LABS UNCRITICA
- MAT SURFACE OUTER SHEATH
- DESINA® COLOURS
- FOR SPEEDS AND MINIMUM BENDING RADIUS SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



# GAALFLEX® SERVO T 839 C

paired PUR transmission cable with coloured cores and overall copper screen



SHEATH MATERIAL PU ACC. TO UL 758

| Part no.       | Color code               | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer Ø<br>ca. mm<br>±10% | Copper weight<br>kg/km | Cable weight<br>approx.<br>kg/km | AWG<br>no.*) |
|----------------|--------------------------|--|---------------------------|------------------------|----------------------------------|--------------|
| 37140AE4029901 | SPECIAL COLORED          | 2 x 2 x 0,15 + 2 x 0,38                                | 6,9                       | 28,1                   | 52                               | -/-          |
| 37140AE4029902 | DIN 47100                | 4 x 0,18   | 4,9                       | 18,9                   | 28                               | -            |
| 37140AE4022903 | DIN 47100                | 4 x 2 x 0,18   | 6,3                       | 30,8                   | 47                               | -            |
| 37140AE4029904 | SPECIAL COLORED          | 4 x 2 x 0,25 + 2 x 1                                   | 8                         | 61                     | 96                               | 24/18        |
| 37140AE4029905 | SPECIAL COLORED          | 4 x 2 x 0,14 + 4 x 0,5                                 | 8                         | 49,7                   | 74                               | 26/20        |
| 37140AE4039906 | SPECIAL COLORED          | 3 x (2 x 0,25)D2Y + 4 x 0,5                            | 9,7                       | 81,9                   | 122                              | 24/20        |
| 37140AE4029907 | SPECIAL COLORED          | 3 x 2 x 0,25 + 2 x 0,5                                 | 6,7                       | 41,7                   | 66                               | 24/20        |
| 37140AE4029908 | SPECIAL COLORED          | 4 x (2 x 0,25)D + 2 x 0,5                              | 8,2                       | 60,7                   | 91                               | 24/20        |
| 37140AE4029909 | SPECIAL COLORED          | 6 x 2 x 0,34 + 1 x (2 x 0,34)C + 2 x 1                 | 9,4                       | 107,8                  | 134                              | 22/22/18     |
| 37140CE4042A24 | DIN 47100                | 4 x 2 x 0,25   | 7,2                       | 38,7                   | 64                               | 24           |
| 37140AE4042A24 | DIN 47100                | 4 x (2 x 0,25)CY                                       | 9,1                       | 80,3                   | 120                              | 24           |
| 37140AE4042A22 | DIN 47100                | 4 x (2 x 0,34)C  | 9,8                       | 92,3                   | 138                              | 22           |
| 37140AE4082A22 | DIN 47100                | 8 x (2 x 0,34)C  | 16,2                      | 188                    | 282                              | 22           |
| 37140AE4029913 | SPECIAL COLORED          | 5 x (2 x 0,14)D + 2 x 0,5                              | 8                         | 49                     | 73                               | 26/20        |
| 37140AE4029914 | ACC. TO SIEMENS STANDARD | 3 x (2 x 0,14)D2Y + 4 x 0,14 + 4 x 0,22 + 2 x 0,5      | 9,5                       | 80,4                   | 130                              | 26/26/-/20   |
| 37140AE4029915 | SPECIAL COLORED          | 3 x (2 x 0,34)D12Y + 16 x 0,34                         | 11,6                      | 117,1                  | 175                              | 22/22        |
| 37140AE4029916 | DIN 47100                | 4 x (2 x 0,5)C   | 9,9                       | 123                    | 184                              | 20           |
| 37140AE4039917 | SPECIAL COLORED          | 3 x (2 x 0,14)D2Y + 2 x 0,5                            | 8,6                       | 57,7                   | 86                               | 26/20        |
| 37140CE405B927 | DIN 47100                | 5X0,5+2X0,18   | 7,5                       | 49                     | 95                               | 20/25        |

SHEATH MATERIAL TPU ACC. TO DIN VDE 0282

| Part no.       | Color code               | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer Ø<br>ca. mm<br>±10% | Copper weight<br>kg/km | Cable weight<br>approx.<br>kg/km | AWG<br>no.*) |
|----------------|--------------------------|--|---------------------------|------------------------|----------------------------------|--------------|
| 37140AE4039919 | SPECIAL COLORED          | 3 x (2 x 0,14)D + 2 x (0,5)D                           | 9                         | 71,4                   | 96                               | 26/20        |
| 37140AE4029920 | ACC. TO SIEMENS STANDARD | 3 x (2 x 0,14)D + 4 x 0,14 + 2 x 0,5                   | 8,9                       | 61                     | 97                               | 26/26/20     |
| 37140AE4029921 | SPECIAL COLORED          | 3 x (2 x 0,14)D + 4 x 0,14 + 4 x 0,22 + 2 x 0,5        | 9,5                       | 79                     | 111                              | 26/26/-/20   |
| 37140AE4049922 | SPECIAL COLORED          | 4 x 2 x 0,38 + 4 x 0,5                                 | 8,9                       | 76,3                   | 106                              | -/20         |
| 37140AE4082923 | DIN 47100                | 8 x 2 x 0,18   | 7,8                       | 48                     | 74                               | -            |
| 37140AE4029924 | DIN 47100                | 12 x 0,22  | 6,9                       | 42,5                   | 63                               | -            |
| 37140AE4029925 | ACC. TO SIEMENS STANDARD | 4 x (2 x 0,25)C12Y + (2 x 1)C12Y                       | 13,2                      | -                      | -                                | 24/18        |
| 37140AE4029926 | SPECIAL COLORED          | 3X(2X0,25)C+2X0,5                                      | 8,8                       | -                      | -                                | 24/20        |
| 37140AE8039910 | US4                      | 3 x (2 x 0,14)D2Y + 2 x 0,5                            | 8,6                       | 57,5                   | 89                               | 26/20        |

Other dimension and colours available on request.

# FLEXIDRUM® T 310

TPE/PUR motor connection cable 0,6/1 kV, UL/CSA 1000 V



ELETTROTEKKABEL® FLEXIDRUM® T 310  
UL Style 21223 80°C 1000 V  
CSA AWM I/II A/B 80°C 1000 V FTI C



## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 6<br>ACC. TO IEC 60228, DIN VDE 0295             |
| <b>INSULATION:</b>   | SPECIAL TPE COMPOUND   |
| <b>COLOUR CORES:</b> | BLACK CORES WITH CONSECUTIVE NUMBERS<br>ACC. TO EN 50334 GREEN-YELLOW FROM 3 CORES |
| <b>STRANDING:</b>    | IN LAYERS + FILLERS  |
| <b>WRAPPING:</b>     | NON-WOVEN TAPE   |
| <b>OUTER SHEATH:</b> | ORANGE (RAL2003), SPECIAL PUR COMPOUND   |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0482 PART 265-2-1  
EN 50265-2-1  
IEC 60332-1-2



**OIL RESISTANCE:**  
VERY GOOD TMPU ACC. TO DIN VDE 0282 PART 10  
+ HD 22.10, ACC. TO DIN VDE 0473 PART 811-2-1,  
EN 60811-2-1  
EC 60811-2-1



**HALOGEN FREE ACC. TO:**  
ACC. TO DIN VDE 0482, PART 267  
EN 50267-2-1 /  
IEC 60754-1  
(EQUIVALENT DIN VDE 0472 PART 815)

## Technical data:

|                                      |                            |                            |
|--------------------------------------|----------------------------|----------------------------|
| <b>NOMINAL VOLTAGE:</b>              | U <sub>0</sub> /U 0,6/1 kV | <b>UL/CSA:</b> 1000 V      |
| <b>TEST VOLTAGE:</b>                 | 4 kV                       |                            |
| <b>TEMPERATURE RANGE</b>             | <b>DIN VDE</b>             | <b>UL/CSA:</b> UP TO +80°C |
| FIXED LAYING:                        | - 50°C UP TO + 90°C        |                            |
| FLEXIBLE INSTALLATION:               | - 40°C UP TO + 90°C        |                            |
| <b>RADIATION RESISTANCE:</b>         | 5 x 10 <sup>7</sup> CJ/KG  |                            |
| <b>MIN. BENDING RADIUS</b>           |                            |                            |
| FIXED LAYING:                        | 4 x D                      |                            |
| FLEXIBLE INSTALLATION:               | 6 x D                      |                            |
| CONTINUOUSLY FLEXIBLE:               | 10 x D                     |                            |
| <b>MAX SPEED (MAIN APPLICATION):</b> | 250 m/min                  |                            |

## Features:

- AWM STYLE 21223 80°C 1000 V  
CSA AWM I/II A/B 80°C 1000 V FTI CE
- VERY HIGH FLEXIBLE
- SUITABLE FOR CABLE TRACKS
- OIL RESISTANT
- VERY LONG SERVICE LIFE
- ADHESION-FREE INSTALLATION
- HALOGEN-FREE
- LABS UNCRITICAL
- FLEXIBLE AT LOW TEMPERATURES
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS,  
HYDRAULIC LIQUIDS ETC.
- VERY GOOD WEATHER RESISTANT
- FOR SPEEDS AND MINIMUM BENDING RADIUS  
SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. (*) |
|----------------|--|----------------------------|---------------------------|----------------------------------|----------------|
| 04150HG0041A16 | 4 g 1,5  | 7,7                        | 57,6                      | 100                              | 16             |
| 04150HG0041A14 | 4 g 2,5  | 9,3                        | 96                        | 149                              | 14             |
| 04150HG0041A12 | 4 g 4  | 10,8                       | 153,6                     | 230                              | 12             |
| 04150HG0041A10 | 4 g 6  | 12,9                       | 230,4                     | 334                              | 10             |
| 04150HG0041A08 | 4 g 10   | 15,5                       | 384                       | 520                              | 8              |
| 04150HG0041A06 | 4 g 16   | 18,8                       | 614,4                     | 806                              | 6              |
| 04150HG0041A04 | 4 g 25   | 23,7                       | 960                       | 1245                             | 4              |
| 04150HG0041A02 | 4 g 35   | 26,6                       | 1344                      | 1688                             | 2              |
| 04150HG0041A01 | 4 g 50   | 31,8                       | 1920                      | 2381                             | 1              |

Other dimension and colours available on request.