

# GAALFLEX® SERVO T 806 C

PVC motor connection cable with overall copper screen



ELETTROTEK KABEL® GAALFLEX® SERVO T 806 C



## Construction:

|                      |  |
|----------------------|--|
| <b>CONDUCTOR:</b>    | FLEXIBLE RED COPPER CONDUCTOR CL. 5<br>ACC TO IEC 60228, DIN VDE 0295  |
| <b>INSULATION:</b>   | SPECIAL PP COMPOUND  |
| <b>COLOUR CORES:</b> | BLACK CORES WITH CONSECUTIVE NUMBERS<br>ACC. TO EN 50334 +GREEN-YELLOW |
| <b>STRANDING:</b>    | IN LAYERS  |
| <b>SCREEN:</b>       | TINNED COPPER BRAID  |
| <b>OUTER SHEATH:</b> | ORANGE (RAL 2003), SPECIAL PVC COMPOUND 90°C                           |

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
DIN VDE 0472 PART 804 TEST METHOD B,  
IEC 60332-1, IEC 60332-3-24, CSA FT1



**OIL RESISTANCE ACC. TO:**  
EN 50290-2-22, VDE 0819-102

## 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>        | SUPPLY CORES: 4 kV<br>CORE/SCREEN: 1,5 kV        |
| <b>TEMPERATURE RANGE::</b>  |  |
| FIXED LAYING:               | - 40°C UP TO + 80°C                              |
| FLEXIBLE INSTALLATION:      | - 10°C UP TO + 80°C                              |
| <b>MIN. BENDING RADIUS:</b> |  |
| FIXED LAYING:               | 6 x D  |
| FLEXIBLE INSTALLATION:      | 20 x D   |

## Features:

UL AWM STYLE 2570 80°C 1000 V, CSA AWM I/II A/B  
LOW CAPACITANCE  
OIL RESISTANCE  
DESINA® COLOURS  
ROHS AND CE APPROVAL



## DESINA® T 806 C 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. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 37180HG0041A16 | 4 g 1,5  | 8,2                        | 82,3                      | 120                              | 16            |
| 37180HG0041A14 | 4 g 2,5  | 9,7                        | 130,5                     | 179                              | 14            |
| 37180HG0041A12 | 4 g 4  | 11,5                       | 193                       | 256                              | 12            |
| 37180HG0041A10 | 4 g 6  | 13,3                       | 274,7                     | 354                              | 10            |
| 37180HG0041A08 | 4 g 10   | 16,3                       | 463                       | 568                              | 8             |
| 37180HG0041A06 | 4 g 16   | 20,0                       | 711                       | 867                              | 6             |
| 37180HG0041A04 | 4 g 25   | 24,5                       | 1082,9                    | 1309                             | 4             |
| 37180HG0041A02 | 4 g 35   | 27,7                       | 1475,8                    | 1738                             | 2             |
| 37180HG0041A01 | 4 g 50   | 33,2                       | 2125,7                    | 2498                             | 1             |

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## DESINA® T 806 C UL + 1 SCREENED PAIR

| 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. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 37182HG004BA16 | 4 g 1,5 + (2 x 1)C                                     | 11,7                       | 132,8                     | 168,2                            | 16            |
| 37182HG004BA14 | 4 g 2,5 + (2 x 1)C                                     | 12,7                       | 176                       | 220,6                            | 14            |
| 37182HG004BA12 | 4 g 4 + (2 x 1)C                                       | 14,2                       | 250                       | 305,8                            | 12            |
| 37182HG004BA10 | 4 g 6 + (2 x 1)C                                       | 15,9                       | 335,3                     | 411                              | 10            |
| 37183HG004BA16 | 4 g 1,5 + (2 x 1,5)C                                   | 12,1                       | 144,9                     | 170,9                            | 16            |
| 37183HG004BA14 | 4 g 2,5 + (2 x 1,5)C                                   | 13,1                       | 188,1                     | 223,1                            | 14            |
| 37183HG004BA12 | 4 g 4 + (2 x 1,5)C                                     | 14,6                       | 270,6                     | 315,7                            | 12            |
| 37183HG004BA10 | 4 g 6 + (2 x 1,5)C                                     | 16,3                       | 355,8                     | 420,9                            | 10            |
| 37183HG004BA08 | 4 g 10 + (2 x 1,5)C                                    | 18,9                       | 517,9                     | 617                              | 8             |
| 37183HG004BA06 | 4 g 16 + (2 x 1,5)C                                    | 22                         | 765,3                     | 907,9                            | 6             |
| 37183HG004BA04 | 4 g 25 + (2 x 1,5)C                                    | 26,2                       | 1127,8                    | 1344,4                           | 4             |
| 37183HG004BA02 | 4 g 35 + (2 x 1,5)C                                    | 29,3                       | 1528,8                    | 1784                             | 2             |
| 37183HG004BA01 | 4 g 50 + (2 x 1,5)C                                    | 34,4                       | 2167,7                    | 2534,8                           | 1             |

## DESINA® T 806 C UL + 2 SCREENED PAIRS

| 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. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 37180HG004B900 | 4 g 1 + (2 x 0,75)C + (2 x 0,75)C                      | 12,1                       | 142,4                     | 227                              | 18            |
| 37180HG004B901 | 4 g 1,5 + (2 x 0,75)C + (2 x 0,75)C                    | 12,7                       | 166,5                     | 255,8                            | 16            |
| 37180HG004B902 | 4 g 1,5 + (2 x 1)C + (2 x 1)C                          | 13,1                       | 176,1                     | 268,7                            | 16            |
| 37180HG004B910 | 4 g 2,5 + (2 x 0,75)C + (2 x 0,75)C                    | 13,5                       | 204,9                     | 305,4                            | 14            |
| 37180HG004B903 | 4 g 2,5 + (2 x 1)C + (2 x 1)C                          | 14,4                       | 230,8                     | 334,4                            | 14            |
| 37180HG004B904 | 4 g 4 + (2 x 1)C + (2 x 1,5)C                          | 16,3                       | 319,6                     | 445,9                            | 12            |
| 37180HG004B905 | 4 g 6 + (2 x 1)C + (2 x 1,5)C                          | 17,9                       | 404,9                     | 552,2                            | 10            |
| 37180HG004B906 | 4 g 10 + (2 x 1)C + (2 x 1,5)C                         | 20,4                       | 566,9                     | 750,8                            | 8             |
| 37180HG004B907 | 4 g 16 + (2 x 1,5)C + (2 x 1,5)C                       | 23,5                       | 828,5                     | 1059,3                           | 6             |
| 37180HG004B908 | 4 g 25 + (2 x 1,5)C + (2 x 1,5)C                       | 27,2                       | 1191,1                    | 1492                             | 4             |
| 37180HG004B909 | 4 g 35 + (2 x 1,5)C + (2 x 1,5)C                       | 30,4                       | 1592                      | 1934,4                           | 2             |

Other dimension and colours available on request.