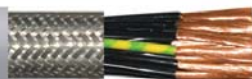


## GAALFLEX® CONTROL 500 CH Lean

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca



ELETTROTEK KABEL® GAALFLEX® CONTROL 500 CH lean, Eca



### Construction:

|                      |  |
|----------------------|--|
| <b>Conductor:</b>    | flexible plain annealed copper conductor Cl.5, acc.to IEC 60228, DIN VDE 0295    |
| <b>Insulation:</b>   | halogen-free compound type TI6   |
| <b>Colour cores:</b> | black cores with consecutive numbers acc. to EN 50334, green-yellow from 3 cores |
| <b>Stranding:</b>    | in layers  |
| <b>Screen:</b>       | tinned copper braid  |
| <b>Outer sheath:</b> | grey (RAL 7001) halogen-free compound type TM7 acc. to IEC 60092-353             |

### Technical data:

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Nominal voltage:</b>       | U <sub>0</sub> /U 300/500 V |
| <b>Test voltage:</b>          | 2 kV                        |
| <b>Temperature range</b>      |                             |
| <i>fixed laying:</i>          | -40°C up to +70°C           |
| <i>flexible application:</i>  | -15°C up to + 70°C          |
| <b>Min. bending radius</b>    |                             |
| <i>fixed laying:</i>          | 6 x d                       |
| <i>flexible installation:</i> | 15 x d                      |

### Resistance:



#### Flame retardant and Self-extinguishing acc. to:

DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-2-1 (flame spread on a single cable)  
IEC 60332-3-24 respectively IEC 60332-3-25 (flame spread on vertical cable or wire bundle)



#### Halogen-free acc. to

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



#### Corrosiveness of conflagration gases acc. to:

DIN VDE 0482 part 267  
EN 50267-2-2  
IEC 60754-2



#### Low smoke density acc. to:

DIN VDE 0482 part. 268-1-2,  
IEC 61034-1-2,  
EN 50268-1-2

### Features:

good EMC critical environments.  
acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca  
classification (CEI UNEL 35016), EN 13501-6  
RoHS and CE approval



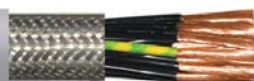
# NETWORK & HOME AUTOMATION CABLES

## GAALFLEX® CONTROL 500 CH Lean

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca



ELETTROTEK KABEL® GAALFLEX® CONTROL 500 CH lean, Eca



| 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 |
|----------------|--|----------------------------|---------------------------|----------------------------------|
| 31090D51020M05 | 2 x 0,5  | 5,5                        | 22,4                      | 43,7                             |
| 31090D50031M05 | 3 G 0,5  | 5,8                        | 27,3                      | 52,3                             |
| 31090D50041M05 | 4 G 0,5  | 6,3                        | 36,6                      | 67,4                             |
| 31090D50051M05 | 5 G 0,5  | 6,9                        | 41,7                      | 79,1                             |
| 31090D50071M05 | 7 G 0,5  | 7,5                        | 56,1                      | 99,6                             |
| 31090D50121M05 | 12 G 0,5   | 9,7                        | 90,1                      | 160,3                            |
| 31090D50181M05 | 18 G 0,5   | 11,5                       | 123,6                     | 224,3                            |
| 31090D50251M05 | 25 G 0,5   | 13,4                       | 177,8                     | 308,1                            |
| 31090D51020M07 | 2 x 0,75   | 5,9                        | 31,6                      | 55,7                             |
| 31090D50031M07 | 3 G 0,75   | 6,3                        | 39                        | 67,5                             |
| 31090D50041M07 | 4 G 0,75   | 6,9                        | 46,4                      | 81,2                             |
| 31090D50051M07 | 5 G 0,75   | 7,5                        | 58,5                      | 100,7                            |
| 31090D50071M07 | 7 G 0,75   | 8,2                        | 73,3                      | 122,8                            |
| 31090D50121M07 | 12 G 0,75  | 10,7                       | 118,9                     | 198,2                            |
| 31090D50181M07 | 18 G 0,75  | 12,6                       | 171,4                     | 286                              |
| 31090D50251M07 | 25 G 0,75  | 14,8                       | 246,1                     | 394,3                            |
| 31090D51020M10 | 2 x 1  | 6,3                        | 36,6                      | 62,6                             |
| 31090D50031M10 | 3 G 1  | 6,7                        | 46,3                      | 76,7                             |
| 31090D50041M10 | 4 G 1  | 7,3                        | 60,7                      | 98,1                             |
| 31090D50051M10 | 5 G 1  | 8                          | 70,8                      | 116,9                            |
| 31090D50071M10 | 7 G 1  | 8,7                        | 95,1                      | 148,3                            |
| 31090D50121M10 | 12 G 1   | 11,4                       | 152,4                     | 237,7                            |
| 31090D50181M10 | 18 G 1   | 13,7                       | 230,6                     | 357,1                            |
| 31090D50251M10 | 25 G 1   | 15,8                       | 306,1                     | 465,9                            |
| 31090D51020M15 | 2 x 1,5  | 6,9                        | 46,5                      | 76,4                             |
| 31090D50031M15 | 3 G1,5   | 7,4                        | 65,6                      | 101                              |
| 31090D50041M15 | 4 G1,5   | 8,1                        | 80,4                      | 123,8                            |
| 31090D50051M15 | 5 G1,5   | 8,9                        | 99,9                      | 153,6                            |
| 31090D50121M15 | 12 G1,5  | 12,8                       | 214,6                     | 315                              |
| 31090D50181M15 | 18 G 1,5   | 15,4                       | 325,3                     | 474,6                            |
| 31090D50251M15 | 25 G 1,5   | 17,8                       | 442,6                     | 630,8                            |
| 31090D51020M25 | 2x2,5  | 8,3                        | 71                        | 111,8                            |
| 31090D50031M25 | 3G2,5  | 8,9                        | 99,9                      | 148,1                            |
| 31090D50041M25 | 4G2,5  | 9,8                        | 128,5                     | 188,7                            |
| 31090D50051M25 | 5G2,5  | 10,8                       | 152,5                     | 227,7                            |
| 31090D50071M25 | 7G2,5  | 11,8                       | 205,2                     | 291,3                            |
| 31090D50121M25 | 12G2,5   | 15,9                       | 354,1                     | 498,9                            |
| 31090D50031M40 | 3G4  | 10,5                       | 147,7                     | 210,6                            |
| 31090D50041M40 | 4G4  | 11,5                       | 190,8                     | 269,6                            |
| 31090D50051M40 | 5G4  | 12,8                       | 233,8                     | 333,6                            |
| 31090D50071M40 | 7G4  | 14,3                       | 326,6                     | 442,5                            |
| 31090D50031M60 | 3G6  | 12,3                       | 214,6                     | 297,6                            |
| 31090D50041M60 | 4G6  | 13,8                       | 288,2                     | 396                              |
| 31090D50051M60 | 5G6  | 15,3                       | 354,1                     | 490,8                            |
| 31090D50041M61 | 4G10   | 17,1                       | 458,4                     | 616,8                            |
| 31090D50051M61 | 5G10   | 19,1                       | 562,6                     | 766,2                            |
| 31090D50041M62 | 4G16   | 19,9                       | 705,3                     | 893,4                            |
| 31090D50051M62 | 5G16   | 22,2                       | 867,2                     | 1111                             |
| 31090D50041M63 | 4G25   | 24,6                       | 1075,7                    | 1358,5                           |
| 31090D50041M64 | 4G35   | 27,9                       | 1468                      | 1803,1                           |
| 31090D50041M65 | 4G50   | 35                         | 2085,3                    | 2663,6                           |
| 31090D50041M66 | 4G70   | 40                         | 2886,3                    | 3579,1                           |

Other dimension and colours available on request.