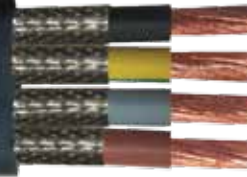


## FLEXIFESTOON® SPECIAL NE-FLAT CY

Screened rubber flat cables



ELETTROTEK KABEL® FLEXIFESTOON® SPECIAL NE-FLAT CY



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 (from 1 up to 25 mm <sup>2</sup> ) Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 (from 35 mm <sup>2</sup> up to 120 mm <sup>2</sup> )
<b>Insulation:</b>	<b>GAALTHERM® 533:</b> identified with "4", on the 5 <sup>th</sup> number of the Part no., <b>or XLPE compound:</b> identified with "5", on the 5 <sup>th</sup> number of the Part no.
<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>Screen:</b>	tinned copper braid
<b>Outer sheath:</b>	black (similar to RAL 9005), GAALTHERM® 533

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2



**Halogen-free acc. to:**  
DIN VDE 0482 part 267,  
EN 50267-2-1,  
IEC 60754-1



**Oil resistance acc. to:**  
DIN VDE 0473 part 811-2-1  
IEC EN 60811-2-1

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV
<b>Test voltage:</b>	4 kV
<b>Temperature range:</b>	
<b>GAALTHERM® 533:</b>	
<i>Fixed laying:</i>	-40°C up to +135°C
<i>Flexible application:</i>	-25°C up to +125 °C
<b>XLPE compound:</b>	
<i>Fixed laying:</i>	-20°C up to +90°C
<i>Flexible application:</i>	-10°C up to +90°C
<b>Max. temp on conductor:</b>	
<i>In service:</i>	up to +90°C
<i>In short circuit:</i>	up to +250°C
<b>Min. bending radius:</b>	10 x D
<b>Max speed (main application):</b>	180 m/min
<b>Radiation resistance:</b>	up to 50x10 <sup>6</sup> cJ/kg (up to 50 Mrad)
<b>Tensile strenght:</b>	25 N/mm <sup>2</sup>

### Features:

**max. temperature up to +125°C on flexible applications!**

UV, ozone, and chemical resistant

extremely small bending radius

minimum waste of space

high flexibility

acc. to IEC 60502-1 standard

for SPEEDS and MINIMUM BENDING RADIUS  
see pages from 2 to 8 of catalogue

RoHS and CE approval



# FESTOON CABLES

## FLEXIFESTOON® SPECIAL NE-FLAT CY

Screened rubber flat cables



ELETTROTEK KABEL® FLEXIFESTOON® SPECIAL NE-FLAT CY

### GAALTHERM® 533 Type

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.*)
03044G72041M15	4G1,5	6x19	125	250	16
03044G70071M15	7G1,5	7,4x21,5	165	330	16
03044G70081M15	8G1,5	6x34,5	180	460	16
03044G70121M15	12G1,5	6x50,5	270	615	16
03044G72041M25	4G2,5	7x22	153	320	14
03044G72051M25	5G2,5	7x36,9	210	440	14
03044G70061M25	6G2,5	7x38,4	225	470	14
03044G70071M25	7G2,5	7x49,2	235	515	14
03044G70121M25	12G2,5	7x60	405	590	14
03044G72041M40	4G4	7,5x23	222	360	12
03044G72041M60	4G6	9x29	313	580	10
03044G72041M61	4G10	10,7x36	522	900	8
03044G72041M62	4G16	14x46	784	1280	6
03044G72041M63	4G25	14,5x50	1163	1800	4
03044G72041M64	4G35	16x55	1549	2300	2

Other dimensions and colors available on request.

### XLPE Type

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.*)
03045G72041M15	4G1,5	6x19	125	250	16
03045G70071M15	7G1,5	7,4x21,5	165	330	16
03045G70081M15	8G1,5	6x34,5	180	460	16
03045G70121M15	12G1,5	6x50,5	270	615	16
03045G72041M25	4G2,5	7x22	153	320	14
03045G72051M25	5G2,5	7x36,9	210	440	14
03045G70061M25	6G2,5	7x38,4	225	470	14
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03045G72041M61	4G10	10,7x36	522	900	8
03045G72041M62	4G16	14x46	784	1280	6
03045G72041M63	4G25	14,5x50	1163	1800	4
03045G72041M64	4G35	16x55	1549	2300	2

Other dimensions and colors available on request.