

## FLEXIFESTOON® SPECIAL NE-FLAT

Rubber flat cables



ELETTROTEK KABEL® FLEXIFESTOON® SPECIAL NE-FLAT



### Construction:

- Conductor:** 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 90 mm<sup>2</sup>)
- Insulation:** **GAALTHERM® 533:** identified with "4", on the 5<sup>th</sup> number of the Part no.,  
**or XLPE compound:** identified with "5", on the 5<sup>th</sup> number of the Part no.
- Cores color:** 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
- Stranding:** cores laying parallel
- Outer sheath:** 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:

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



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### 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.*)
03014G72041M15	4G1,5	5x14,2	58	148	16
03014G72051M15	5G1,5	5x18,4	72	184	16
03014G70071M15	7G1,5	5x24	101	250	16
03014G70081M15	8G1,5	5x27,3	115	270	16
03014G71080M15	8x1,5	5,5x29,5	115	315	16
03014G70091M15	9G1,5	5,5x32,5	130	345	16
03014G70101M15	10G1,5	5x34	144	347	16
03014G70121M15	12G1,5	5x39,4	173	436	16
03014G70161M15	16G1,5	5x52	230,4	570	16
03014G70181M15	18G1,5	5,5x58,5	259,2	635	16
03014G70241M15	24G1,5	5,5x80,5	346	875	16
03014G72041M25	4G2,5	6,5x18	96	230	14
03014G72051M25	5G2,5	6,5x22,5	120	281	14
03014G70071M25	7G2,5	6,5x31,3	168	369	14
03014G70081M25	8G2,5	6,5x32,9	192	414	14
03014G70121M25	12G2,5	6,8x48,1	288	605	14
03014G70161M25	16G2,5	6,8x56,1	384	700	14
03014G70181M25	18G2,5	6,8x75	432	925	14
03014G70241M25	24G2,5	6,8x121	576	975	14
03014G72041M40	4G4	7,5x21,8	154	344	12
03014G72051M40	5G4	7,5x27,4	192	428	12
03014G70071M40	7G4	7,9x36,6	269	590	12
03014G70121M40	12G4	7,5x57	460,8	880	12
03014G72041M60	4G6	8,2x24,8	230	424	10
03014G72051M60	5G6	8,2x31,8	288	530	10
03014G72071M60	7G6	8,2x42,6	403	760	10
03014G72041M61	4G10	10x29,6	384	710	8
03014G72041M62	4G16	11,2x34,4	614	1014	6
03014G72041M63	4G25	13,7x42,6	960	1365	4
03014G72041M64	4G35	15,4x47,6	1344	2100	2
03014G72041M65	4G50	18,2x57	1920	2940	1
03014G72041M66	4G70	20x64,2	2688	4090	2/0
03014G72041M67	4G95	20,5x72,5	3684	4550	3/0
03014G72041M69	4G150	25x84	5760	6620	250 MCM
03014G72051M40	5G4	6,9x26	192	390	12
03014G72051M60	5G6	7,6x29,5	288	530	10
03014G72051M61	5G10	9,4x36,5	480	868	8
03014G72051M62	5G16	13x46,6	768	1370	6
03014G72051M63	5G25	15,5x55,5	1200	2000	4

Other dimensions and colors available on request.

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### XLPE Type

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03015G72041M15	4G1,5	5x14,2	58	148	16
03015G72051M15	5G1,5	5x18,4	72	184	16
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