

# FESTOON CABLES

## FLEXIFESTOON® NE-FLAT (N)GFLGÖU-J

Rubber flat cables, 0,6/1 kV

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



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 (<=25 mm <sup>2</sup> ) Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 (>=35 mm <sup>2</sup> )
<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

### 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

### 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>	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-30°C up to +80°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>	acc. to DIN VDE 0298 part 3
<b>Max. pulling force:</b>	
<i>Static:</i>	15 n/mm <sup>2</sup>
<i>Dynamic:</i>	30 n/mm <sup>2</sup>
<b>Max speed (main application):</b>	up to 180 m/min

### Features:

UV, ozone, chemical and resistant  
Indoor/outdoor use  
minimum waste of space  
high flexibility  
acc. to DIN VDE 0250-809  
for SPEEDS and MINIMUM BENDING RADIUS  
see pages from 2 to 8 of catalogue  
RoHS and CE approval



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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. *)
03010G72041M15	4G1,5	7,2x16,3	57,6	170	16
03010G72051M15	5G1,5	7,2x20,5	72	225	16
03010G70071M15	7G1,5	7,2x26,9	100,8	320	16
03010G70081M15	8G1,5	7,2x31,1	115,2	375	16
03010G70101M15	10G1,5	7,8x39,1	144	505	16
03010G70121M15	12G1,5	7,8x46,5	172,8	615	16
03010G70241M15	24G1,5	13x55	346	1330	16
03010G72041M25	4G2,5	8,6x19,9	96	260	14
03010G72051M25	5G2,5	8,6x24,9	120	340	14
03010G70061M25	6G2,5	8,6x28,8	144	415	14
03010G70071M25	7G2,5	8,6x32,8	168	485	14
03010G70081M25	8G2,5	8,6x37,7	192	565	14
03010G70121M25	12G2,5	9,2x56,1	288	915	14
03010G70241M25	24G2,5	17x72,5	576	2300	14
03010G72041M40	4G4	9,9x23,5	153,6	375	12
03010G72051M40	5G4	9,9x29,2	192	490	12
03010G70071M40	7G4	9,9x38,6	268,8	700	12
03010G72041M60	4G6	10,4x26,5	230,4	480	10
03010G72051M60	5G6	10,4x31,7	288	610	10
03010G70071M60	7G6	10,4x42,1	403,2	880	10
03010G72041M61	4G10	11,9x31,5	384	695	8
03010G72051M61	5G10	11,9x39,2	480	915	8
03010G72041M62	4G16	13,4x35,7	614,4	950	6
03010G72041M63	4G25	14,9x42,7	960	1390	4
03010G72041M64	4G35	16,6x47,7	1344	1800	2
03010G72041M65	4G50	18,6x55,7	1920	2435	1

Other dimensions and colors available on request.