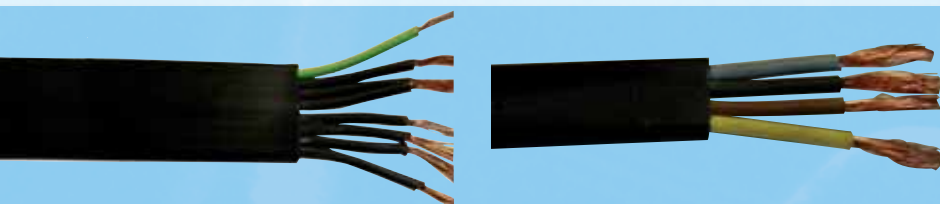




FLEXIFESTOON® NE-FLAT (NGFLGÖU-J)

CE

Rubber flat cables



Construction:

Conductor:	red copper, stranded to DIN VDE 0295 and IEC 60228, fine or extra fine wire stranded acc. to different cross-sections 1 to 25 mm ² class 6 / 35 to 90 mm ² class 5
Insulation:	special rubber type 3GI3, acc. to DIN VDE 0207 part 20
Cores color:	up to 5 cores to color code DIN VDE 0293 7 cores and above with number printing + green-yellow earth-core
Outer sheath:	special black rubber type 5GM3, to DIN VDE 0207 part 21

Technical data:

Temperature range:	
fixed installation:	-50°C to +80°C
flexible installation:	-35°C to +80°C
Nominal voltage:	U/oU 300/500 V
Test voltage:	3000 V
Min. Bending radius:	5 x d
Max. temperature on conductor:	
in service:	+90°C
in short circuit:	+250°C
Radiation resistance:	up to 50x10 ⁶ cJ/kg (up to 50 Mrad)
Oil resistance:	very good
Chemical resistance:	very good
Travelling festoon speed:	up to 180 m/min
Conductor tensile stress:	
static:	15 n/mm ²
dynamic:	30 n/mm ²

Outstanding features:

- ▶ Extremely small bending radius
- ▶ high flexibility
- ▶ minimum waste of space
- ▶ pocketing possibility
- ▶ for SPEEDS and MINIMUM BENDING RADIUS see page 1,2,3/5,6 of catalogue
- ▶ flame retardant acc. to IEC 60332-1
- ▶ UV and ozone resistance
- ▶ 0,6/1 kV version on request
- ▶ cold resistant



Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
05010315	3G1,5	5,7x12,1	43,0	126	16
05010415	4G1,5	5,9x16,2	58,0	234	16
05010515	5G1,5	5,9x23,7	72,0	304	16
05010715	7G1,5	5,9x30,5	101,0	391	16
05010815	8G1,5	5,9x34,0	115,0	441	16
05011015	10G1,5	5,9x43,5	144,0	460	16
05011215	12G1,5	6,5x50,4	173,0	646	16
05012415	24G1,5 (6x4)	13,0x56,0	346,0	1290	16
05019415	24G1,5	11,7x51,6	346,0	1050	16
05010425	4G2,5	7,2x19,6	96,0	316	14
05010525	5G2,5	7,2x27,8	120,0	391	14
05010725	7G2,5	7,2x36,1	168,0	533	14
05010825	8G2,5	7,2x40,1	192,0	602	14
05011025	10G2,5	8,0x48,0	240,0	800	14
05011225	12G2,5	7,8x59,4	288,0	890	14
05012425	24G2,5 (6x4)	15,5x66,8	576,0	1480	14
05019425	24G2,5	15,4x68,9	576,0	1730	14
05010440	4G4	8,8x24,2	154,0	506	12
05010540	5G4	8,8x33,4	192,0	621	12
05010740	7G4	8,8x42,5	269,0	851	12

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
05010460	4G6	9,6x27,4	230,0	661	10
05010560	5G6	9,6x37,4	288,0	740	10
05010760	7G6	9,6x47,2	403,0	1004	10
05010461	4G10	10,4x30,8	384,0	1027	8
05010561	5G10	10,4x41,6	480,0	1171	8
05010761	7G10	10,9x54,4	672,0	910	8
05010462	4G16	11,6x35,6	614,0	1430	6
05010562	5G16	12,2x48,2	768,0	1590	6
05010762	7G16	13,0x62,3	1075,0	1990	6
05010463	4G25	14,1x45,8	768,0	1890	4
05010563	5G25	14,7x58,3	1200,0	2215	4
05010763	7G25	15,3x78,7	1680,0	3000	4
05010464	4G35	15,8x50,8	1344,0	2460	2
05010564	5G35	16,4x64,4	1680,0	2880	2
05010764	7G35	16,4x86,4	2352,0	4100	2
05010465	4G50	18,6x62,6	1920,0	3385	1
05010466	4G70	21,0x68,0	2688,0	4480	2/0
05010467	4G95	24,1x78,6	3648,0	5990	3/0
05010468	4G120	25,5x84,2	4608,0	7240	4/0

Other construction and sizes are available on request