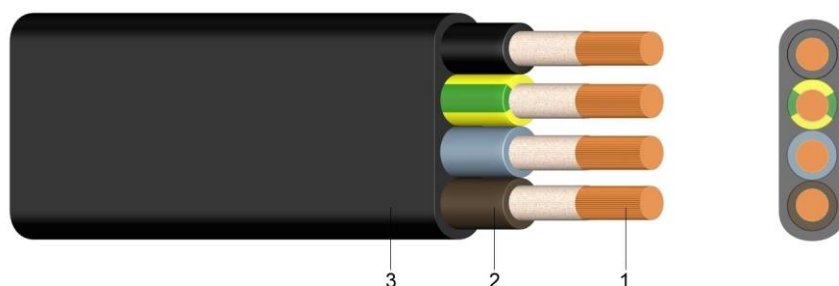


## NGFLGöu

## Rubber Flat Cable for Medium-Level Mechanical Stress

### Application:

It is to be used in dry, humid and wet locations as well as in the open-air (in protected installation) as a flexible power and control cable for medium-level mechanical loads. This cable is suitable for connecting movable parts of machine tools, material handling equipment and large machines provided it is exposed to bending in only one plane. Cores grouped with individual groups separated by a stay



### Construction:

- 1 ..... fine-stranded bare copper
- 2 ..... core insulation of a rubber compound (3GI3), laid up parallel
- 3 ..... outer sheath out of a rubber compound (5GM3), black, flame retardant

### Standards:

DIN VDE 0250-809  
DIN EN 60228 class 5 and 6 (construction)  
HD 308 S2 (core identification)

### Technical data:

Nominal voltage $U_0/U$		[V]	300 / 500 Volt
Test voltage		[V] <sub>Ac</sub>	2000
Temperature range	in motion		-25°C till +60°C
	fixed		-40°C till +80°C
Operating temperature	short circuit	°C	200°C
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	3
	in motion	x diameter	5
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm <sup>2</sup>		Copper figure	Cond. construction (appr. value)	Overall measures	Weight
		kg/km	mm	appr. mm	appr. kg / km
4 x 1,5	●	60	84 x 0,16	6,2 x 17,5	200
5 x 1,5	●	75	84 x 0,16	6,2 x 21,5	240
7 x 1,5	●	105	84 x 0,16	6,2 x 29,0	360
8 x 1,5	●	120	84 x 0,16	6,2 x 31,5	370
12 x 1,5	●	180	84 x 0,16	6,5 x 47,0	620
24 x 1,5	●	360	84 x 0,16	13,5 x 56,0	1.010
4 x 2,5	●	100	140 x 0,16	7,5 x 21,0	280
5 x 2,5	●	125	140 x 0,16	7,5 x 27,0	400
7 x 2,5	●	175	140 x 0,16	7,5 x 35,0	520
8 x 2,5	●	200	140 x 0,16	7,5 x 39,0	550
12 x 2,5	●	300	140 x 0,16	8,0 x 56,0	800
24 x 2,5	○	600	140 x 0,16	17,0 x 72,5	1.690



Number of cores and nominal cross section mm <sup>2</sup>		Copper figure	Cond. construction (appr. value) mm	Overall measures appr. mm	Weight appr. kg / km
		kg/km			
4 x 4	●	160	224 x 0,16	9,0 x 26,0	410
4 x 6	●	240	192 x 0,21	9,5 x 29,0	600
4 x 10	●	400	320 x 0,21	11,0 x 33,0	800
4 x 16	●	640	512 x 0,21	13,0 x 38,0	1.150
4 x 25	●	1.000	800 x 0,21	15,0 x 49,5	1.700
4 x 35	●	1.400	280 x 0,41	17,0 x 55,0	2.200
5 x 4	○	200	224 x 0,16	9,0 x 32,0	560
5 x 6	○	300	192 x 0,21	9,5 x 35,0	650
5 x 16	○	800	512 x 0,21	13,0 x 50,0	1.450
7 x 4	●	280	224 x 0,16	9,0 x 42,0	700
7 x 6	○	420	192 x 0,21	9,5 x 44,5	850
7 x 10	○	700	320 x 0,21	12,1 x 63,5	1.350