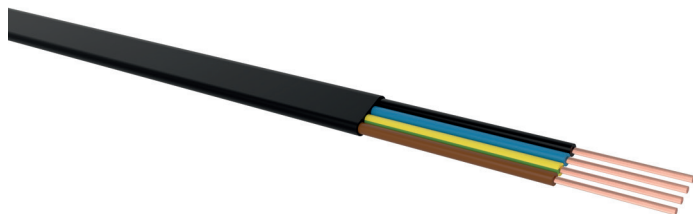


## NGFLGöu 0,6/1 kV

Rubber flat cable

### DESIGN



- 1 | Copper conductor, finest wire up to 35 mm<sup>2</sup>, over fine wire
- 2 | Core insulation (rubber), cores lying flat and parallel next to each other, with 2-4 cores each separated by a web
- 3 | Sheath (EPR-rubber black, UV, ozon and oil resistant)

### APPLICATION

For connecting movable parts of machine tools, conveyor systems and large equipment where the cable is exposed to bending in only one plane. Suitable for installation in dry, damp and wet rooms and outdoors.

### TECHNICAL DATA



**Standard:**  
DIN VDE 0250-809



**Rated voltage:**  
0.6/1 kV (U<sub>0</sub>/U)



**Test voltage:**  
3.5 kV / 50 Hz



**Temperature range:**  
 laying temperature: min. -25 °C  
 fixed: -50 °C up to 90 °C  
 moved: -35 °C up to 90 °C  
 conductor temperature: max. 90 °C  
 short circuit temperature: max. 250 °C/5 s



**Bending radius (min.):**  
 6 x Ø of cable (fixed installed)  
 10 x Ø of cable (free motion)



**Core identification:**  
HD 308 S2



**Fire properties:**  
EN 60332-1-2: flame retardant



**Certificate:**  
VDE Germany

Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer dimensions width x height (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
<b>NGFLGöu 0,6/1 kV</b>				
4 G 1.5	13.7	17.5 x 6.4	220	500 D, 1000 D
5 G 1.5	13.7	21.5 x 6.4	280	500 D, 1000 D
7 G 1.5	13.7	29.1 x 6.4	380	500 D, 1000 D
8 G 1.5	13.7	32 x 6.4	420	500 D, 1000 D
10 G 1.5	13.7	41.5 x 7	580	500 D, 1000 D
12 G 1.5	13.7	48.5 x 7	690	500 D, 1000 D
16 G 1.5	13.7	42 x 6.5	900	500 D, 1000 D
24 G 1.5	13.7	55 x 13	1330	500 D, 1000 D
4 G 2.5	8.21	21.2 x 8.2	350	500 D, 1000 D
5 G 2.5	8.21	25.7 x 8.2	430	500 D, 1000 D
7 G 2.5	8.21	34 x 8.2	560	500 D, 1000 D
8 G 2.5	8.21	38.5 x 8.2	630	500 D, 1000 D
10 G 2.5	8.21	47.9 x 8.2	680	500 D, 1000 D
12 G 2.5	8.21	56.8 x 8.8	1020	500 D, 1000 D
16 G 2.5	8.21	75.4 x 8.2	1135	500 D, 1000 D

## NGFLGöu 0,6/1 kV

Rubber flat cable

Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer dimensions width x height (mm) appr.	Total weight (kg/km) appr.	Standard lengths/ packing (m)
<b>NGFLGöu 0,6/1 kV</b>				
24 G 2.5	8.21	72.5 x 17	2300	500 D, 1000 D
4 G 4	4.95	25 x 9.6	490	500 D, 1000 D
5 G 4	4.95	31.4 x 9.9	630	500 D, 1000 D
7 G 4	4.95	40.8 x 9.6	830	500 D, 1000 D
4 G 6	3.3	27.1 x 10.3	600	500 D, 1000 D
5 G 6	3.3	34.5 x 10.3	780	500 D, 1000 D
7 G 6	3.3	44.5 x 10.3	1010	500 D, 1000 D
4 G 10	1.91	33.4 x 11.2	840	500 D, 1000 D
4 G 16	1.21	38.8 x 13.1	1150	500 D, 1000 D
5 G 10	1.91	41.5 x 11.2	1060	500 D, 1000 D
5 G 16	1.21	47.6 x 13.1	1540	500 D, 1000 D
4 G 25	0.78	48.1 x 15	1650	500 D, 1000 D
5 G 25	0.78	58.6 x 15.5	2160	500 D, 1000 D
7 G 25	0.78	79.7 x 16.1	2930	500 D, 1000 D
4 G 35	0.554	53.3 x 17	2200	500 D, 1000 D
7 G 35	0.554	88.2 x 17.1	3820	500 D, 1000 D
4 G 50	0.386	61.5 x 19.6	3000	500 D, 1000 D
4 G 70	0.272	70.5 x 22.6	4250	500 D, 1000 D
2 x 95	0.206	41.6 x 24.3	2665	500 D, 1000 D
4 G 95	0.206	78.7 x 25.2	5300	500 D, 1000 D
4 G 120	0.161	86.5 x 27.6	6500	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

12.8.2022, 11:29