

# NGFLGöu

**Flat flexible cable for medium mechanical stress**  
**Standard: DIN VDE 0250**

**Application:**

In dry and wet rooms and outdoors under medium mechanical stress. Intended for the connection of moveable parts of machine tools, hoisting equipment and big machinery if exposed to bending stress only in one direction.



**Construction:**

- 1 Copper conductor, extra fine wire up to 35 mm<sup>2</sup>, above 35 mm<sup>2</sup> fine wire
- 2 Insulation (rubber). Cores laid in parallel side by side, where each 2–4 cores are separated from each other.
- 3 Sheath (chloroprene rubber, black), oil resistant

- Rated voltage:** 300/500 V
- Test voltage:** 2000 Veff
- Temperature range:**  
 During installation: min. –25 °C  
 Operating temperature: fixed –40 °C to +60 °C  
 moved –25 °C to +60 °C  
 Conductor temperature: max. +90 °C  
 Short circuit temperature of the conductor: max. +200 °C/5 s
- Bending radius (min.):** 5 x Ø of the cable
- Core identification:** colour code (DIN VDE 0293)
- Flammability:** Self extinguishing (EN 50265-2-1, IEC 60332-1)
- Certification mark:** VDE Deutschland

Number of cores x nominal cross section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
<b>NGFLGöu</b>						
4 x 1.5	13.300	5.4 x 15.0	60	155	500 T, 1000 T	3,368.43
5 x 1.5	13.300	5.4 x 19.5	75	270	500 T, 1000 T	4,333.24
7 x 1.5	13.300	5.4 x 25.0	105	265	500 T, 1000 T	5,757.24
8 x 1.5	13.300	5.4 x 27.5	120	295	500 T, 1000 T	6,930.63
10 x 1.5	13.300	6.0 x 35.5	150	405	500 T, 1000 T	8,496.51
12 x 1.5	13.300	6.0 x 42.0	180	480	500 T, 1000 T	10,403.05
24 x 1.5	13.300	11.5 x 51.0	360	1,010	500 T, 1000 T	26,454.72
4 x 2.5	7.980	6.5 x 18.5	100	255	500 T, 1000 T	4,541.63
5 x 2.5	7.980	6.6 x 24.0	125	410	500 T, 1000 T	5,643.93
7 x 2.5	7.980	6.6 x 31.0	175	440	500 T, 1000 T	7,569.19
8 x 2.5	7.980	6.6 x 33.5	200	495	500 T, 1000 T	8,832.47
12 x 2.5	7.980	7.2 x 50.5	300	790	500 T, 1000 T	13,042.73
24 x 2.5	7.980	15.0 x 66.0	600	1,690	500 T	33,304.59
4 x 4	4.950	7.9 x 22.5	160	380	500 T, 1000 T	6,760.44
5 x 4	4.950	8.0 x 30.0	200	641	500 T, 1000 T	9,664.82
7 x 4	4.950	7.9 x 37.0	280	655	500 T, 1000 T	12,498.50
4 x 6	3.300	8.5 x 24.5	240	490	500 T, 1000 T	8,931.86
5 x 6	3.300	8.5 x 33.0	300	820	500 T, 1000 T	11,263.89
7 x 6	3.300	8.5 x 41.0	420	840	500 T, 1000 T	18,592.08
4 x 10	1.910	9.9 x 30.0	400	750	500 T, 1000 T	12,177.01
7 x 10	1.910	9.9 x 50.5	700	1,350	500 T, 1000 T	28,174.06

# NGFLGöu

Number of cores x nominal cross section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu- value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
<b>NGFLGöu</b>						
4 x 16	1.210	11.5 x 35.0	640	1,080	500 T, 1000 T	19,122.02
5 x 16	1.210	11.0 x 48.0	800	1,580	500 T, 1000 T	26,189.66
4 x 25	0.780	13.1 x 41.5	1,000	1,590	500 T, 1000 T	27,688.95
5 x 25	0.780	12.5 x 57.5	1,250	2,390	500 T	36,408.04
4 x 35	0.554	14.8 x 47.0	1,400	2,110	500 T	35,428.64
4 x 50	0.386	17.2 x 55.0	2,000	2,950	500 T	50,898.43
4 x 70	0.272	19.5 x 62.5	2,800	4,020	500 T	67,039.84
4 x 95	0.206	22.0 x 71.0	3,800	5,210	500 T	88,706.28

Subject to technical changes. All figures are therefore without guarantee.