

## NGFLGÖU Flat Neoprene



**NGFLGÖU** is a flexible, 300/500 volt, neoprene rubber flat festoon power and control cable. Mainly used as a trailing cable for overhead crane installations, floor conveyor systems, elevator control cables, shelf control units and in material handling systems. The flat construction allows cables to be stacked for applications where space is at a minimum and require smaller bending radius over that of round cables. Suitable for installations in dry and damp rooms. The robust neoprene rubber jacket is extensively oil, fat, acid, lye and weather resistant.



### Construction:

- Super-fine to fine bare copper strands
- Strands for 16 AWG to 4 AWG to VDE-0295 Class-6, IEC 60228 Cl-6
- Strands for 2 AWG and larger to VDE-0295 Class-5, IEC 60228 Cl-5
- Special rubber core insulation
- Color code VDE-0293-308 with ground
- Cores laying parallel
- Special rubber outer jacket - black (RAL 9005)
- **Extremely oil & chemical resistant**

### Technical:

- Working voltage: 300/500 volts
- Test voltage: 3000 volts
- Flexing bending radius: 10 x Ø
- Flexing temp: -25° C to +60° C
- Static temp: -40° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: > 10 MΩ x km

### Approvals:

- VDE-0250 Part-809
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>16 AWG (84/34) 1,50mm<sup>2</sup></b>				
7101604	4	0.232 x 0.638" / 5.9 x 16.2mm	39	157
7101605	5	0.232 x 0.933" / 5.9 x 23.7mm	48	204
7101607	7	0.232 x 1.201" / 5.9 x 30.5mm	68	262
7101608	8	0.232 x 1.339" / 5.9 x 34.0mm	77	296
7101610	10	0.232 x 1.713" / 5.9 x 43.5mm	97	309
7101612	12	0.256 x 1.984" / 6.5 x 50.4mm	116	433
7101624	24	0.512 x 2.205" / 13.0 x 56.0mm	232	865
<b>14 AWG (140/34) 2,50mm<sup>2</sup></b>				
7101404	4	0.283 x 0.772" / 7.2 x 19.6mm	64	212
7101405	5	0.283 x 1.094" / 7.2 x 27.8mm	80	262
7101407	7	0.283 x 1.421" / 7.2 x 36.1mm	113	358
7101408	8	0.283 x 1.583" / 7.2 x 40.2mm	129	404
7101412	12	0.307 x 2.339" / 7.8 x 59.4mm	193	597
7101424	24	0.610 x 2.630" / 15.5 x 66.8mm	386	993
<b>12 AWG (224/34) 4,00mm<sup>2</sup></b>				
7101204	4	0.346 x 0.953" / 8.8 x 24.2mm	103	339
7101205	5	0.346 x 1.315" / 8.8 x 33.4mm	129	417
7101207	7	0.346 x 1.673" / 8.8 x 42.5mm	180	571
<b>10 AWG (192/32) 6,00mm<sup>2</sup></b>				
7101004	4	0.378 x 1.079" / 9.6 x 27.4mm	154	443
7101005	5	0.378 x 1.472" / 9.6 x 37.4mm	193	496
7101007	7	0.378 x 1.858" / 9.6 x 47.2mm	270	673
<b>8 AWG (320/32) 10,0mm<sup>2</sup></b>				
7100804	4	0.409 x 1.213" / 10.4 x 30.8mm	258	689
7100805	5	0.409 x 1.638" / 10.4 x 41.6mm	322	785
7100807	7	0.409 x 2.126" / 10.4 x 54.0mm	451	902
<b>6 AWG (512/32) 16,0mm<sup>2</sup></b>				
7100604	4	0.457 x 1.402" / 11.6 x 35.6mm	412	959
7100605	5	0.480 x 1.898" / 12.2 x 48.2mm	515	1066
7100607	7	0.480 x 2.562" / 12.2 x 65.1mm	721	1536

Sizes continued on next page.

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### NGFLGÖU Sizes Continued. ( 4 AWG & Larger )

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>4 AWG (800/32) 25,0mm<sup>2</sup></b>				
7100404	4	0.555 x 1.803" / 14.1 x 45.8mm	644	1268
7100405	5	0.579 x 2.295" / 14.7 x 58.3mm	805	1486
7100407	7	0.602 x 3.098" / 15.3 x 78.7mm	1127	2012
<b>2 AWG (280/26) 35,0mm<sup>2</sup></b>				
7100204	4	0.622 x 2.000" / 15.8 x 50.8mm	901	1650
7100205	5	0.622 x 2.535" / 16.4 x 64.4mm	1127	1932
7100207	7	0.646 x 3.402" / 16.4 x 86.4mm	1578	2750
<b>1 AWG (400/26) 50,0mm<sup>2</sup></b>				
7100104	4	0.732 x 2.370" / 18.6 x 60.2mm	1288	2270
<b>2/0 AWG (356/24) 70,0mm<sup>2</sup></b>				
7102104	4	0.827 x 2.677" / 21.0 x 68.0mm	1803	3005
<b>3/0 AWG (485/24) 95,0mm<sup>2</sup></b>				
7103104	4	0.949 x 3.094" / 24.1 x 78.6mm	2447	4018
<b>4/0 AWG (614/24) 120,0mm<sup>2</sup></b>				
7104104	4	1.004 x 3.315" / 25.5 x 84.2mm	3091	4856

\* Additional sizes may be available.

Festoon, Lift & Torsion Cables