

FLATFLEX-N-600 NGFLGOU UL (600 V)

Neoprene Flat cable



Application

Neoprene Flat cables are suitable for use as both power and control cables for many different types of travelling machinery, the neoprene material provides improved flexibility when compared to PVC which results in longer cable life. Popular applications include :- Hoists, Cranes, Trolley systems, Transfer lines, Container bridges, Machine tools, Elevators etc. They are also suitable for other applications where cables are required to be bent to a tight radius in one direction.

Construction

Conductor :	Fine stranded plain copper according to VDE 0295 Class 5/6
Insulation :	Rubber compound
Core colour :	According to VDE 0293 - up to 5 wires coloured, 6 wires & above black with white numbers with green/yellow earth
Core Arrangement :	Cores arranged side by side in a single layer
Sheath :	Polychloroprene (Neoprene)
Sheath colour :	Black
Imprint :	NGFLGOU UL 600 V

Working Environment

Maximum operating temperature in mobile application :	-40 deg C - + 85 deg C
Maximum temperature at conductor :	+90 deg C
Environment :	Suitable for use in dry & humid areas - suitable for indoor & outdoor use

Electrical properties

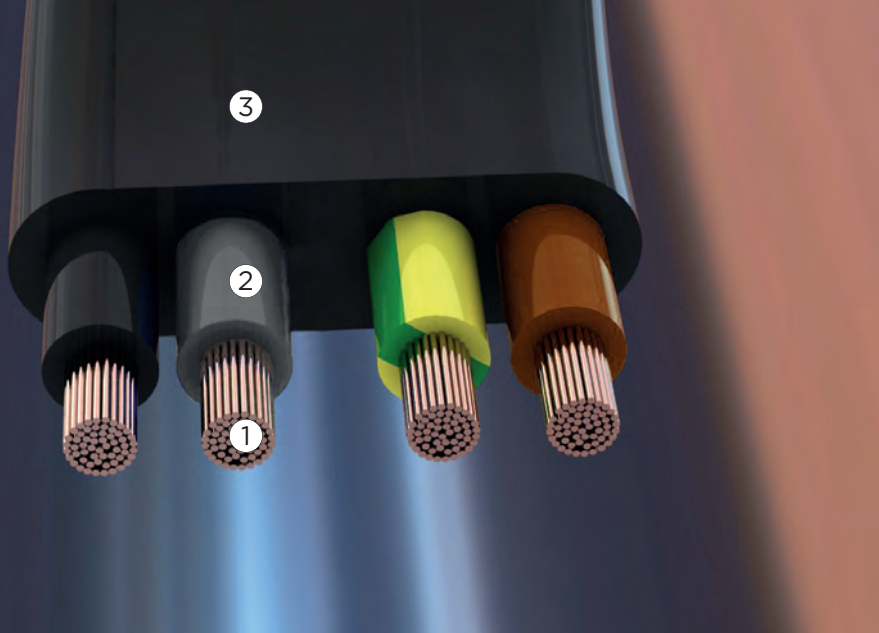
Nominal voltage :	600 V
Test Voltage :	2000 V
Conductor resistance :	In accordance with VDE0295 class 5

Additional information

Minimum bending radius :	Mobile application - 5 x cable thickness
Max travel speed :	1.6 m/s (according to VDE)
Maximum suspended height:	35 meters
Oil resistance :	According to VDE 0472

Applied Standards

	VDE 0250 part 809
	UL State 4540



- ① Copper conductor
- ② Rubber Insulation
- ③ Neoprene outer sheath

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Part No	Cross Section mm ²	Current Rating @ 30 Deg	CU Number kg/km	Outer Dimensions approx. (mm)	Weight kg/km	Plated Brass Gland Size
08014 0150 04-600	4 G 1.5	18A	58.0	17.0 x 6.4	190	12.2121
08014 0250 04-600	4 G 2.5	26A	96.0	20.7 x 7.8	280	12.2121
08014 0400 04-600	4 G 4	34A	154.0	24.8 x 9.1	395	12.2930
08014 0600 04-600	4 G 6	44A	230.0	27.9 x 9.9	540	12.2930
08014 1000 04-600	4 G 10	61A	384.0	33.3 x 11.2	775	12.3640
08014 1600 04-600	4 G 16	82A	614.0	38.7 x 13.0	1110	12.3640
08014 2500 04-600	4 G 25	108A	960.0	46.0 x 14.7	1465	8107
08014 3500 04-600	4 G 35	135A	1344.0	53.2 x 17.6	2175	8108
08014 5000 04-600	4 G 50	168A	1920.0	62.0 x 20.1	3020	8108
08014 7000 04-600	4 G 70	207A	2688.0	71.0 x 23.0	4325	8108
08014 9500 04-600	4 G 95	250A	3648.0	81.0 x 25.5	5110	8110
08014 1200 04-600	4 G 120	292A	4608.0	91.0 x 28.0	6340	8110
08014 0150 05-600	5 G 1.5	18A	72.0	21.5 x 6.4	240	12.2121
08014 0250 05-600	5 G 2.5	26A	120.0	26.0 x 7.8	355	12.2930
08014 0400 05-600	5 G 4	34A	192.0	32.0 x 9.0	520	12.3640
08014 0600 05-600	5 G 6	44A	288.0	34.7 x 9.9	700	12.3640
08014 1000 05-600	5 G 10	61A	480.0	41.5 x 11.2	985	12.4245
08014 1600 05-600	5 G 16	82A	768.0	50.0 x 13.0	1410	8107
08014 2500 05-600	5 G 25	108A	1200.0	60.0 x 16.0	2200	8108
08014 0150 07-600	7 G 1.5	18A	101.0	29.1 x 6.4	300	12.2930
08014 0250 07-600	7 G 2.5	26A	168.0	33.0 x 7.8	485	12.3640
08014 0400 07-600	7 G 4	34A	269.0	39.8 x 9.1	675	12.3640
08014 0600 07-600	7 G 6	44A	403.0	45.9 x 9.9	910	12.4245
08014 1000 07-600	7 G 10	61A	672.0	55.3 x 11.2	1385	8107
08014 1600 07-600	7 G 16	82A	1075.0	66.0 x 14.0	2345	8108
08014 2500 07-600	7 G 25	108A	1680.0	79.0 x 16.5	3240	8110
08014 3500 07-600	7 G 35	135A	2352.0	91.0 x 18.2	4140	8110
08014 0150 08-600	8 G 1.5	14A	115.0	32.0 x 6.4	340	12.3640
08014 0250 08-600	8 G 2.5	20A	192.0	38.0 x 7.8	510	12.3640
08014 0150 12-600	12 G 1.5	11A	173.0	47.5 x 7.0	550	12.4250
08014 0250 12-600	12 G 2.5	15A	288.0	54.8 x 8.2	795	8107

Other sizes are available on request

We reserve the right to amend all technical details without prior notification