

FLATFLEX-N-600 NGFLGOU (600/1000 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 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 :	5G3M Elastomer compound
Sheath colour :	Black
Imprint :	NGFLGOU

Working Environment

Maximum operating temperature in mobile application :	-35 deg C - + 90 deg C
Maximum temperature at conductor :	+90 deg C
Environment :	Suitable for use in dry & humid areas - suitable for indoor & outdoor use

Electrical properties

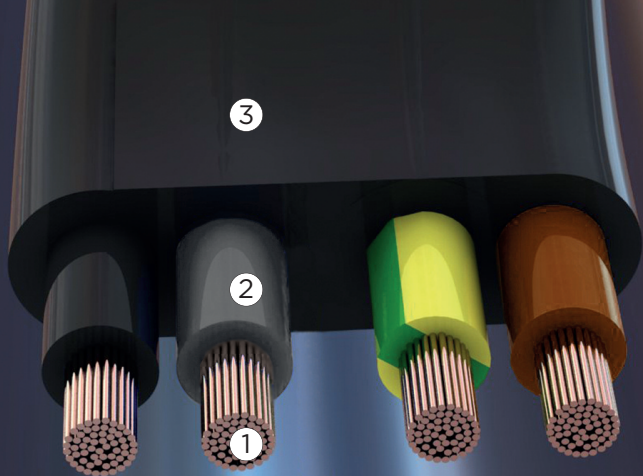
Nominal voltage :	300/500 V (0.6/1.0 kv)
Test Voltage :	3500 V
Conductor resistance :	In accordance with VDE0295 class 5

Additional information

Minimum bending radius :	VDE 0298-3 Table 3
Max travel speed :	180 m/min (according to VDE)
Max tensile load:	15 n/mm ² (static) 30 n/mm ² (dynamic)
Oil resistance :	According to VDE 0472

Applied Standards

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- 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	220	12.2121
08014 0250 04-600	4 G 2.5	26A	96.0	20.7 x 7.8	350	12.2121
08014 0400 04-600	4 G 4	34A	154.0	24.8 x 9.1	490	12.2930
08014 0600 04-600	4 G 6	44A	230.0	27.9 x 9.9	600	12.2930
08014 1000 04-600	4 G 10	61A	384.0	33.3 x 11.2	840	12.3640
08014 1600 04-600	4 G 16	82A	614.0	38.7 x 13.0	1210	12.3640
08014 2500 04-600	4 G 25	108A	960.0	46.0 x 14.7	1650	8107
08014 3500 04-600	4 G 35	135A	1344.0	53.2 x 17.6	2200	8108
08014 5000 04-600	4 G 50	168A	1920.0	61.0 x 20.1	3000	8108
08014 7000 04-600	4 G 70	207A	2688.0	70.0 x 23.0	4250	8108
08014 9500 04-600	4 G 95	250A	3648.0	78.0 x 25.5	5300	8110
08014 1200 04-600	4 G 120	292A	4608.0	85.0 x 28.0	6500	8110
	4 G 185					
08014 0150 05-600	5 G 1.5	18A	72.0	21.5 x 6.4	280	12.2121
08014 0250 05-600	5 G 2.5	26A	120.0	25.0 x 7.8	430	12.2930
08014 0400 05-600	5 G 4	34A	192.0	31.0 x 9.0	639	12.3640
08014 0600 05-600	5 G 6	44A	288.0	33.7 x 9.9	780	12.3640
08014 1000 05-600	5 G 10	61A	480.0	41.5 x 11.2	1060	12.4245
08014 1600 05-600	5 G 16	82A	768.0	47.0 x 13.0	1540	8107
08014 2500 05-600	5 G 25	108A	1200.0	58.0 x 16.0	2160	8108
08014 0150 07-600	7 G 1.5	18A	101.0	29.1 x 6.4	380	12.2930
08014 0250 07-600	7 G 2.5	26A	168.0	33.0 x 7.8	560	12.3640
08014 0400 07-600	7 G 4	34A	269.0	39.8 x 9.1	830	12.3640
08014 0600 07-600	7 G 6	44A	403.0	44.0 x 9.9	1010	12.4245
08014 1600 07-600	7 G 16	82A	1075.0	64.0 x 14.0	2140	8108
08014 0150 08-600	8 G 1.5	14A	115.0	32.0 x 6.4	420	12.3640
08014 0250 08-600	8 G 2.5	20A	192.0	38.0 x 7.8	630	12.3640
08014 0150 12-600	12 G 1.5	11A	173.0	47.5 x 7.0	690	12.4250
08014 0250 12-600	12 G 2.5	15A	288.0	54.8 x 8.2	1020	8107
Other sizes are available on request						