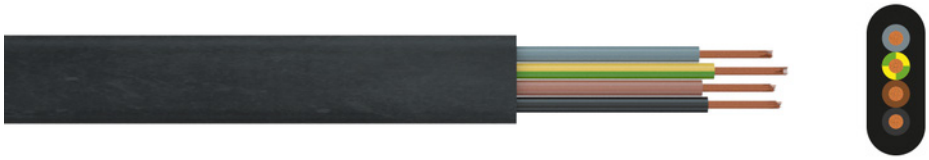
Rubber flat cable
NGFLGOEU (0.6/1 kV)



Application: For the connection of mobile parts of machine tools, conveyor plants and large-scale equipment, if the cable is exposed to bends in only one level (cable trolley). In dry, damp and wet rooms as well as outdoors.

Construction and technical data:

Standard:	DIN VDE 0250-809
Conductor material:	copper, bare
Conductor construction:	class 6 = extra finely stranded, up from 35 sqmm class 5
Insulation:	rubber (EPR) 3GI3
Sheathing material:	Gummi 5GM3
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	DIN EN 60811-404 / VDE 0473-811-404 / IEC 60811-404
Ozone-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	90 °C
Max. short circuit temperature at conductor, °C:	250 °C
Permitted outer cable temperature, fixed, °C:	-45 - +80 °C
Permitted outer cable temperature, moved, °C:	-35 - +80 °C
Min. bending radius, fixed installation:	4 x Ø
Bending radius, moving application:	5 x Ø
Maximum tensile strength at the conductor:	30 N/mm²
Operating speed festoon, m/min.:	180 m/min.

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

NGFLGOEU UT

Nominal voltage Uo: 300 V

Nominal voltage U: 500 V

Test voltage: 3.5 kV

Core identification: colours acc. to VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

part no.	part name	RI [Ohm/km]	w [mm]	h [mm]	Cu	G [kg]
052322	04G1.5	13.3	17.5	6.4	58	220
052323	05G1.5	13.3	21.5	6.4	72	280
052324	07G1.5	13.3	29.1	6.4	101	380
052325	08G1.5	13.3	32	6.4	115	420
052326	10G1.5	13.3	41.5	7	144	580
052327	12G1.5	13.3	48.5	7	173	690
052328	16G1.5	13.3	42	6.5	230.4	900
052329	24G1.5 (6X4X1.5)	13.3	55	13	346	1330
052330	04G2.5	7.98	21.2	8.2	96	350
052331	05G2.5	7.98	25.7	8.2	120	430
052332	07G2.5	7.98	34	8.2	168	560
052333	08G2.5	7.98	38.5	8.2	192	630
052334	10G2.5	7.98	47.9	8.2	240	680
052335	12G2.5	7.98	56.8	8.8	288	1020
052584	16G2.5	7.98	75.4	8.2	384	1135
052336	24G2.5	7.98	72.5	17	576	2300
052337	04G4	4.95	25	9.6	154	490
052338	05G4	4.95	31.4	9.6	192	630
052339	07G4	4.95	40.8	9.6	269	830
052340	04G6	3.3	27.1	10.3	230	600
052341	05G6	3.3	34.5	10.3	288	780
052342	07G6	3.3	44.5	10.3	403	1010
052343	04G10	1.91	33.4	11.2	384	840
052344	04G16	1.21	38.8	13.1	614	690
052345	05G10	1.91	41.5	11.2	480	1060
052346	05G16	1.21	47.6	13.1	768	1540
052347	04G25	0.78	48.1	15	960	1650
052348	05G25	0.78	58.6	15.5	1200	2160
052349	07G25	0.78	79.7	16.1	1680	2930
052350	04G35	0.54	53.3	17	1344	2200
052351	07G35	0.54	88.2	17.1	2352	3820
052352	04G50	0.386	61.5	19.6	1920	3000
052353	04G70	0.272	70.5	22.6	2688	4250
052354	04G95	0.206	78.7	25.2	3648	5300
052355	04G120	0.161	86.7	27.6	4608	6500

NGFLGOEU-O (0.6/1 kV)

Nominal voltage Uo: 300 V

Nominal voltage U: 500 V

Test voltage: 3.5 kV

Core identification: colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	w [mm]	h [mm]	Cu	G [kg]
053194	42x2.5 (7x6x2.5) (with ref. to DIN VDE 0250-809)	7.98	109.4	20.9	1008	3815
052685	02X95	0.206	41.6	24.3	1824	2665

Rl	Conductor resistance
w	Width
h	Height
Cu	Copper weight (GER)
G	net weight per 1000