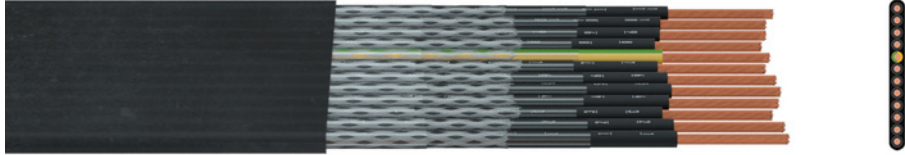


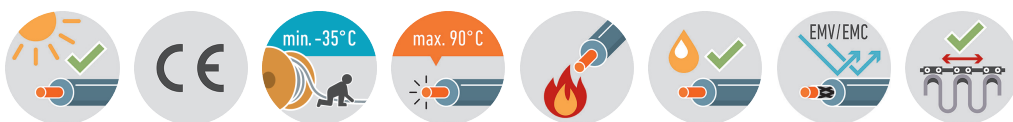
# Rubber flat cable (N)GFLCGOEU



**Application:** For the connection of mobile parts of machine tools, conveyor plants and major items of equipment, if the cables is exposed to bends in only one level. For installation in dry, damp and wet areas as well as outdoors. Due to the screening of each single core the cable provides enhanced EMC properties.

## Construction and technical data:

<b>Standard:</b>	VDE 0250 T. 809 (with reference to)
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	class 6 = extra finely stranded, up from 35 sqmm class 5
<b>Insulation:</b>	rubber (EPR) 3GI3
<b>Screen:</b>	tinned copper braid
<b>Screen coverage:</b>	80 %
<b>Sheathing material:</b>	rubber (CR) 5GM3
<b>Colour of outer sheath:</b>	black
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	EN 60811-404
<b>Ozone-resistant:</b>	yes
<b>For outdoor use:</b>	yes
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-50 - +90 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-35 - +90 °C
<b>Maximum tensile strength at the conductor:</b>	15 N/mm <sup>2</sup>
<b>Operating speed festoon, m/min.:</b>	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.*

Bending radii acc. to VDE 0298-3

installation	Ø <8 mm	Ø = 8-12 mm	Ø = 13-20 mm	Ø >20 mm
fixed installation	3 x Ø		4 x Ø	
free movement	3 x Ø	4 x Ø	5 x Ø	
festoon	3 x Ø	4 x Ø	5 x Ø	

(N)GFLCGOEU-O

**Nominal voltage U<sub>0</sub>:** 0.6 kV  
**Nominal voltage U:** 1 kV  
**Test voltage:** 3.5 kV  
**Core identification:** colours acc. to HD 308;  
more than 5 cores: numbers

part no.	part name	RI [Ohm/km]	w [mm]	h [mm]	Cu	G [kg]
050769	04X(2X1)	19.5	33.8	11.4	273	640
051759	07X(2X1)	19.5	56	11.4	430	1060

(N)GFLCGOEU-J

**Nominal voltage U<sub>0</sub>:** 0.6 kV  
**Nominal voltage U:** 1 kV  
**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]	lbl [A]	w [mm]	h [mm]	Cu	G [kg]
050578	04X1.5	13.3	24	18.5	6.5	99	230
050426	08X1.5	13.3	24	36.1	7.5	228	640
050402	12X1.5	13.3	24	54.5	8.5	342	770
050387	04X2.5	7.98	32	22.5	7.5	163	340
050905	12X2.5	7.98	32	69.5	9.5	500	1061
054127	16X2.5	7.98	32	86.9	9.8	574	1523
052273	24X2.5	7.98	32	76	15	817.4	2100
050489	04X4	4.95	43	29.1	10.5	241	505
050469	04X6	3.3	56	31.1	10.5	353	600
050839	04X10	1.91	78	36.1	10.5	495	855
050840	04X16	1.21	104	41.5	13.5	687	1160
050841	04X25	0.78	138	47.1	15.1	1114	1640
050842	04X35	0.554	170	55.1	17.1	1482	2540
050843	04X50	0.386	212	66.1	20.5	2012	3030
052369	04X70	0.272	263	75.8	24.75	2900	4790
052049	04X95	0.206	316	81.9	25.3	4311	5540
052370	04X120	0.161	370	96.8	31.05	5100	7750

RI	Conductor resistance
lbl	Ampacity in air (30 °C)
w	Width
h	Height
Cu	Copper weight (GER)
G	net weight per 1000