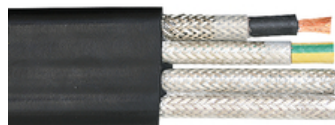
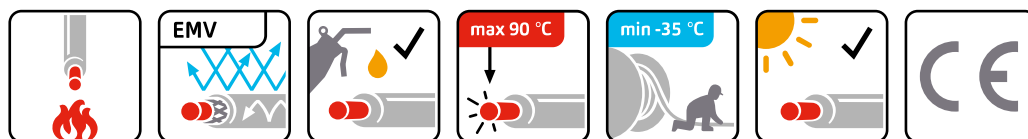


Flat wire (N)GFLCGÖU acc. to VDE 0250 T. 809 (with reference to)



conductor material:	bare copper
conductor construction:	fine stranded class 6, up from 35 mm ² class 5
insulation:	rubber (EPR) 3GI3, halogen-free
screen:	Cu-braid, tinned
screen coverage:	80 %
sheathing material:	rubber (CR) 5GM3
flame retardant:	VDE 0482-332-1-2/IEC 60332-1-2
oil resistant:	EN 60811-2-1
ozone resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-35 - +80 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	10 x DA
nominal voltage U₀:	300 V
nominal voltage U:	500 V

Application: For the connection of mobile parts of machine tools, conveyor plants and major items of equipment, if the cable are exposed to bends in only one level. For installation in dry, damp and wet areas as well as outdoor. Due to the screening of each single core the cable has improved EMC performance.



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.

Table: Technical characteristics NGFLCGÖU

p/n	part name	R _l [Ω/km]	I _{bl} [A]	b [mm]	h [mm]	Cu [kg/km]	G [kg/km]
050578	(N)GFLCGÖEU-J 04X1,5 SW	13,7	23	18,5	6,5	99	230
050426	(N)GFLCGÖEU-J 08X1,5 SW	13,7	23	36,1	7,5	228	640
050402	(N)GFLCGÖEU-J 12X1,5 SW	13,7	23	54,5	8,5	342	770
050387	(N)GFLCGÖEU-J 04X2,5 SW	8,21	31	22,5	7,5	163	340
050905	(N)GFLCGÖEU-J 12X2,5 SW	8,21	31	69,5	9,5	500	1061

p/n	part name	R _l [Ω/km]	I _{bl} [A]	b [mm]	h [mm]	Cu [kg/km]	G [kg/km]
050489	(N)GFLCGOEU-J 04X4 SW	4,95	42	29,1	10,5	241	505
050469	(N)GFLCGOEU-J 04X6 SW	3,3	54	31,1	10,5	353	600
050839	(N)GFLCGOEU-J 04X10 SW	1,91	75	36,1	10,5	495	855
050840	(N)GFLCGOEU-J 04X16 SW	1,21	100	41,5	13,5	687	1160
050841	(N)GFLCGOEU-J 04X25 SW	0,78	127	47,1	15,1	1114	1640
050842	(N)GFLCGOEU-J 04X35 SW	0,554	158	55,1	17,1	1482	2540
050843	(N)GFLCGOEU-J 04X50 SW	0,386	192	66,1	20,5	2012	3030
050769	(N)GFLCGOEU-O 04X(2X1) SW	19,5				273	640

R _l	conductor resistance
I _{bl}	ampacity (in air) (30°C)
b	width of (flat) cable
h	height of (flat) cable
Cu	copper weight (ger)
G	weight