

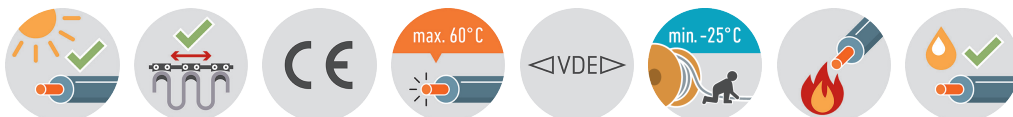
Rubber flat cable NGFLGOEU



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:	VDE 0250 T. 809
Conductor material:	bare copper strand
Conductor construction:	class 6 = extra finely stranded, up from 35 sqmm class 5
Insulation:	rubber (EPR) 3GI3
Sheathing material:	rubber 5GM2
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-2-1
Ozone-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	60 °C
Permitted outer cable temperature, fixed, °C:	-40 - +60 °C
Permitted outer cable temperature, moved, °C:	-25 - +60 °C
Bending radius, fixed installation:	5 x Ø
Bending radius, moving application:	10 x Ø
Maximum tensile strength at the conductor:	15 N/mm ²
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**Nominal voltage U_o:** 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]	I _{bl} [A]	w [mm]	h [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050505	04X1.5	13.7	18	17.5	6.2	90	58	200
050506	05X1.5	13.7	18	21.5	6.2	112	72	240
050507	07X1.5	13.7	18	29.1	6.2	157	101	360
050508	08X1.5	13.7	18	31.5	6.2	180	115	370
050509	10X1.5	13.7	18	39.9	6.5	225	144	460
051808	16X1.5	13.7	18	42	6.5	360	230,4	900
050510	24X1.5	13.7	18	55.1	12.5	540	346	1300
050555	04X2.5	8.21	26	21.1	7.5	150	96	280
050568	05X2.5	8.21	26	27.1	7.5	187	120	332
050372	07X2.5	8.21	26	34.9	7.5	262	168	520
050511	08X2.5	8.21	26	39.1	7.5	300	192	550
050569	10X2.5	8.21	26	47.9	8.1	375	240	680
050512	12X2.5	8.21	26	56.1	8.1	450	288	800
050570	24X2.5	8.21	26	68.2	16.2	900	576	1480
050513	04X4	4.95	34	26.1	9.1	240	154	410
050571	05X4	4.95	34	32.1	9.1	300	192	560
050373	07X4	4.95	42	41.9	9.1	420	269	700
050514	04X6	3.3	44	29.1	9.5	360	230	600
050521	05X6	3.3	44	35.1	9.5	450	288	650
050522	07X6	3.3	44	42.1	9.5	630	403	850
050515	04X10	1.91	61	33.1	11.1	600	384	800
050516	04X16	1.21	82	37.8	12.9	960	614	1150
050768	05X10	1.91	61	44.1	11.1	750	480	1135
050572	05X16	1.21	82	49.8	12.9	1200	768	1450
050517	04X25	0.78	108	49.5	15.1	1500	960	1700
050573	05X25	0.78	108	59.8	16.1	1875	1200	2200
050564	07X25	0.78	108	79.7	16.1	2625	1680	2930
050518	04X35	0.554	135	54.9	17.1	2100	1344	2200
050574	07X35	0.554	135	88.2	17.1	3675	2352	3820
050519	04X50	0.386	168	62.8	18.9	1500	1920	3000
050575	04X70	0.272	207	71.2	22.1	4200	2688	3910
050520	04X95	0.206	250	79.8	24.8	5700	3648	5300
050576	04X120	0.129	292	85.8	27.2	7200	4608	6400
052090	04X150	0.129	335	95.5	27.1	9000	5760	7566

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
w	Width of (flat) cable approx.
h	Approx. height of (flat) cable
F _{zv}	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000