

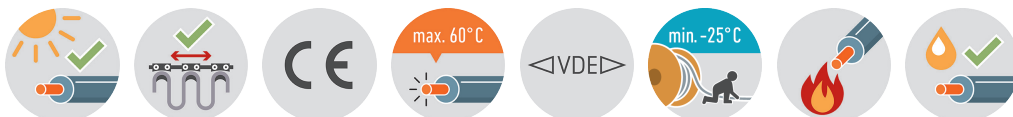
Rubber flat cable NGFLGOEU



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:	copper, bare
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:	4 x Ø
Bending radius, moving application:	5 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: 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]	I _{bl} [A]	w [mm]	h [mm]	F _{zv} [N]	Cu	G [kg]
050570	24X2.5	7.98	26	68.2	16.2	900	576	1480
050514	04X6	3.3	44	29.1	9.5	360	230	600
050522	07X6	3.3	44	42.1	9.5	630	403	850
050572	05X16	1.21	82	49.8	12.9	1200	768	1450
050518	04X35	0.554	135	54.9	17.1	2100	1344	2200
050519	04X50	0.386	168	62.8	18.9	1500	1920	3000
050575	04X70	0.272	207	71.2	22.1	4200	2688	3910

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