

Rubber flat cable

PLANOFLEX(S) NGFLGOEU



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: For the connection of mobile parts of machine tools, conveyor plants and major items of equipment, if the cable is exposed to bends in only one level. In dry, damp and wet areas as well as outdoors.

The insulation wall thickness is designed according to 1 kV rubber insulated cable based on VDE 0250 Part 1

Cores laid in parallel; for more than 12 cores: parallel bundles

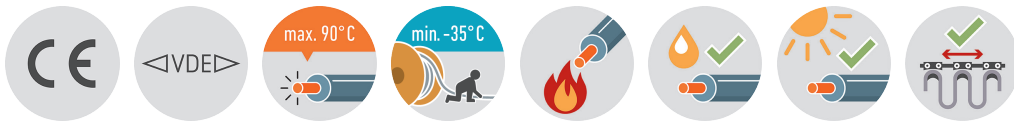
Travel speed:

- On non-motorized festoon system: up to 160m/min

- On motor-driven festoon system: up to 180m/min

Construction and technical data:

Standard:	VDE 0250-809
Conductor material:	copper, bare
Conductor construction:	class 6 = extra finely stranded, up from 35 sqmm class 5
Insulation:	rubber (EPR) 3GI3
Screen:	tinned copper braid
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:	yes
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:	-50 - +80 °C
Permitted outer cable temperature, moved, °C:	-35 - +80 °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.

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Nominal voltage U_o: 300 V
Nominal voltage U: 500 V
Test voltage: 2.5 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]	w min. [mm]	w max. [mm]	h [mm]	h min. [mm]	h max. [mm]	Cu	G [kg]
054727	04G1.5	13.3	24	15.8	15	15.8	6.2	5.7	6.2	58	167
054811	05X1.5	13.3	24	20.1	18.5	20.1	6	5.5	6	72	204
054376	08G1.5	13.3	24	29.3	27.5	29.3	6	5.5	6	115	300
054377	12G1.5	13.3	24	43.5	42	43.5	6.8	6.3	6.8	173	510
054378	04G2.5	7.98	32	19.5	18.5	19.5	7.3	6.8	7.3	96	250
054812	05X2.5	7.98	32	24.6	22.9	24.6	7.4	6.6	7.4	120	250
054728	07G2.5	7.98	32	32.8	31	32.8	7.4	6.8	7.4	168	441
054379	08G2.5	7.98	32	35.9	34.1	35.9	7.4	6.8	7.4	192	470
054380	12G2.5	7.98	32	43.5	42	43.5	6.8	6.3	6.8	288	760
054729	04G4	4.95	43	23.5	22.5	23.5	8.9	8.8	8.9	154	388
054621	07G4	4.95	43	40.9	38.5	40.9	9	8.4	9	269	648
054381	04G6	3.3	56	26.9	25.4	26.9	9.5	9	9.5	230	480
054761	05G6	3.3	56	34.1	31.8	34.1	9.6	9.1	9.6	288	637
054382	04G10	1.91	78	35.9	30.1	35.9	11	10.5	11	384	740
054383	04G16	1.21	104	37.5	36	37.5	12.9	12.1	12.9	614	1050
054384	04G25	0.78	138	43.4	41.9	43.4	14.4	13.6	14.4	960	1490
054385	04G35	0.554	170	49.9	47	49.9	16.7	14.8	16.7	1344	2020
054386	04G50	0.386	212	58	56	58	19	18	19	1920	2810
054387	04G70	0.272	263	74.6	72.6	74.6	24.1	20.3	24.1	2688	3800
054388	04G95	0.206	316	74.6	72.6	74.6	24.1	23.1	24.1	3648	4920

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
w	Width
w min.	width of (flat) cable min.
w max.	width of (flat) cable max.
h	Height
h min.	height of (flat) cable min.
h max.	height of (flat) cable max.
Cu	Copper weight (GER)
G	net weight per 1000