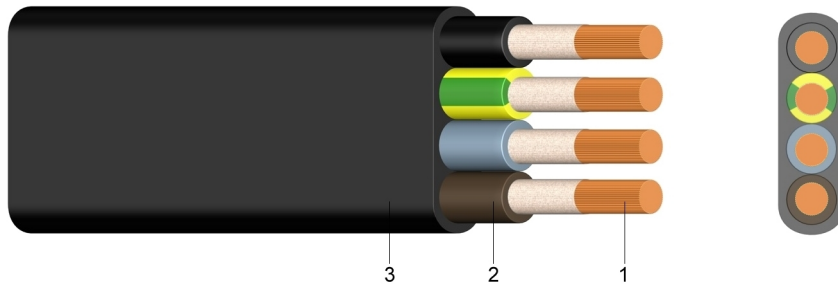


NGFLGöu

Rubber Flat Cable for Medium-Level Mechanical Stress

Application:

It is to be used in dry, humid and wet locations as well as in the open-air as a flexible power and control cable for medium-level mechanical loads. This cable is suitable for connecting movable parts of machine tools, material handling equipment and large machines provided it is exposed to bending in only one plane. Cores grouped with individual groups separated by a stay



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of a rubber compound (3GI3), laid up parallel
- 3 outer sheath out of a rubber compound (5GM3), black, flame retardant

Standards:

DIN VDE 0250-809
DIN EN 60228 class 5 and 6 (construction)
HD 308 S2 (core identification)

Technical data:

Nominal voltage U ₀ /U		[V]	300 / 500 Volt
Test voltage		[V] _{Ac}	2000
Temperature range	in motion		-25°C till +60°C
	fixed		-40°C till +80°C
Operating temperature	short circuit	°C	200
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	3
	in motion	x diameter	5
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure	Cond. construction (appr. value)	Overall measures	Weight
	kg/km	mm	appr. mm	appr. kg/km
4 x 1,5	57,6	84 x 0,16	6,2 x 17,5	200
5 x 1,5	72,0	84 x 0,16	6,2 x 21,5	240
7 x 1,5	100,8	84 x 0,16	6,2 x 29,0	360
8 x 1,5	115,2	84 x 0,16	6,2 x 31,5	370
12 x 1,5	172,8	84 x 0,16	6,5 x 47,0	620
24 x 1,5	345,6	84 x 0,16	13,5 x 56,0	1.010
4 x 2,5	96,0	140 x 0,16	7,5 x 21,0	280
5 x 2,5	120,0	140 x 0,16	7,5 x 27,0	400
7 x 2,5	168,0	140 x 0,16	7,5 x 35,0	520
8 x 2,5	192,0	140 x 0,16	7,5 x 39,0	550
12 x 2,5	288,0	140 x 0,16	8,0 x 56,0	800
24 x 2,5	576,0	140 x 0,16	17,0 x 72,5	1.690

Number of cores and nominal cross section mm ²	Copper figure	Cond. construction (appr. value)	Overall measures	Weight
	kg/km	mm	appr. mm	appr. kg/km
4 x 4	153,6	224 x 0,16	9,0 x 26,0	410
4 x 6	230,4	192 x 0,21	9,5 x 29,0	600
4 x 10	384,0	320 x 0,21	11,0 x 33,0	800
4 x 16	614,4	512 x 0,21	13,0 x 38,0	1.150
4 x 25	960,0	800 x 0,21	15,0 x 49,5	1.700
4 x 35	1.344,0	280 x 0,41	17,0 x 55,0	2.200
5 x 4	192,0	224 x 0,16	9,0 x 32,0	560
5 x 6	288,0	192 x 0,21	9,5 x 35,0	650
5 x 16	768,0	512 x 0,21	13,0 x 50,0	1.450
7 x 4	268,8	224 x 0,16	9,0 x 42,0	700
7 x 6	403,2	192 x 0,21	9,5 x 44,5	850
7 x 10	672,0	320 x 0,21	12,1 x 63,5	1.350