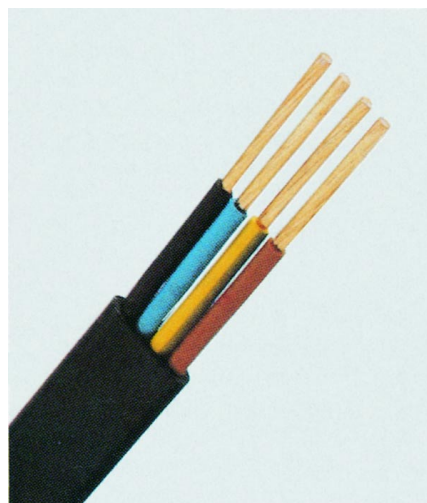


Rubber Flat Cable for Medium-Level Mechanical Loads

according to DIN VDE 0250



Construction

Bare copper conductor, very fine-stranded up to 25 mm² and fine-stranded between 35 mm² and 120 mm² according to DIN VDE 0295, core insulation of a rubber compound (3GI3), core marking according to DIN VDE 0293 tab. 1, cores are laid up in parallel, groups of 2-4 cores are separated by a web, outer sheath of a rubber compound 5GM3, black, oil-resistant and flame retardant.

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.

Temperature range

In motion - 20°C till + 85°C

For fixed installation - 40°C till + 85°C

Admissible conductor temperature + 90°C

Number of cores and nominal cross section	Price	Copper figure	Cond. construction (approx. value)	Overall diameter		Weight
				min. value	max. value	
mm²	EUR / km	kg / km	mm	ca. mm		ca. kg / km
NGFLGöu-J 300/500 V						
4 x 1,5	2.895,98	60	84 x 0,16	5,4 x 15,0	6,4 x 18,5	155
5 x 1,5	3.725,48	75	84 x 0,16	5,4 x 19,5	6,4 x 23,0	190
7 x 1,5	4.949,75	105	84 x 0,16	5,4 x 25,0	6,4 x 30,0	265
8 x 1,5	5.958,57	120	84 x 0,16	5,4 x 27,5	6,4 x 32,0	295
10 x 1,5	7.304,82	150	84 x 0,16	6,0 x 35,5	7,0 x 41,5	405
12 x 1,5	8.943,95	180	84 x 0,16	6,0 x 42,0	7,0 x 48,5	480
24 x 1,5	22.744,28	360	84 x 0,16	11,5 x 51,0	13,5 x 56,0	1010
4 x 2,5	3.904,64	100	140 x 0,16	6,6 x 18,5	8,2 x 24,0	255
5 x 2,5	4.852,33	125	140 x 0,16	6,6 x 24,0	8,2 x 29,0	410
7 x 2,5	6.507,56	175	140 x 0,16	6,6 x 31,0	8,2 x 39,5	440
8 x 2,5	7.593,66	200	140 x 0,16	6,6 x 33,5	8,2 x 42,5	495
12 x 2,5	11.213,41	300	140 x 0,16	7,2 x 50,5	8,8 x 63,5	790
24 x 2,5	28.633,41	600	140 x 0,16	15,0 x 66,0	17,0 x 72,5	1690
4 x 4	5.812,25	160	224 x 0,16	7,9 x 22,5	9,6 x 28,0	380
4 x 6	7.679,11	240	192 x 0,21	8,5 x 24,5	10,4 x 31,0	490
4 x 10	10.469,11	400	320 x 0,21	9,9 x 30,0	12,1 x 38,0	750
4 x 16	16.440,04	640	512 x 0,21	11,5 x 35,0	14,0 x 44,0	1080
4 x 25	23.805,40	1000	800 x 0,21	13,1 x 41,5	15,7 x 51,0	1590
4 x 35	30.459,54	1400	280 x 0,41	14,8 x 47,0	18,0 x 58,5	2110
4 x 50	43.759,61	2000	400 x 0,41	17,2 x 55,0	21,0 x 69,0	2950
4 x 70	57.637,07	2800	356 x 0,51	19,5 x 62,5	23,7 x 78,0	4020
4 x 95	83.883,16	3800	485 x 0,51	22,0 x 71,0	26,9 x 89,0	5210
5 x 4	8.309,27	200	224 x 0,16	8,0 x 30,0	10,0 x 34,0	641
5 x 6	9.684,05	300	192 x 0,21	8,5 x 33,0	11,0 x 36,0	820
5 x 16	22.516,39	800	512 x 0,21	11,0 x 48,0	14,5 x 52,0	1580
5 x 25	31.301,58	1250	800 x 0,21	12,5 x 57,5	17,5 x 62,0	2390
7 x 4	10.745,51	280	224 x 0,16	7,9 x 37,0	9,6 x 46,5	655
7 x 6	15.984,42	420	192 x 0,21	8,5 x 41,0	10,4 x 51,5	840
7 x 10	24.222,47	700	320 x 0,21	9,9 x 50,5	12,1 x 63,5	1350