

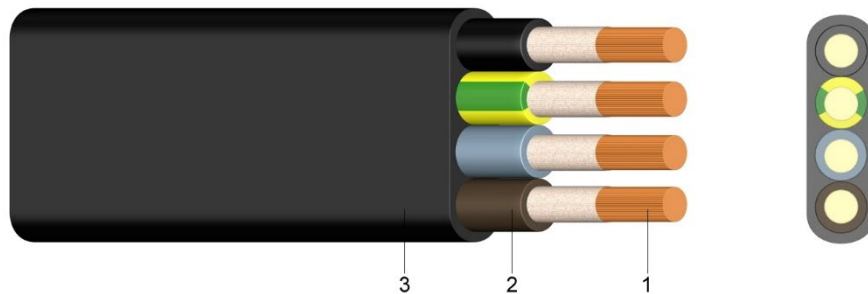
NGFLGöu

Flat cable, 300/500 V
+90 °C service temperature, rubber sheathed, abrasion resistant, oil and UV resistant
DIN VDE 0250-809

Application

Heavy duty flat, rubber sheathed flexible power and control cable for use on festoon systems and for connecting moveable parts of machine tools, especially on hoisting devices, lifts, cranes and gantries associated with high mechanical stresses and frequent bending during operation. For bending in one plane only. Overlaying cables is not recommended when installing.

Construction



1. Conductor: Copper conductor, bare, highly flexible (class 6) up to 25 mm²
Copper conductor, bare, flexible (class 5) from 35 mm²
2. Insulation: EPR rubber
Core identification: According to HD 308 S2
3. Outer sheath: Rubber compound, black

Technical information

Operating voltage		300/500 V
Test voltage		2,5 kV
Max. permissible temperature at conductor		90 °C
Operating temperature		-35 °C to 80 °C
Min. bending radius mm		3 x D for D < 8mm 4 x D for D > 8mm and < 12mm 5 x D for D > 12 mm D = cable thickness
Max. tensile load on the conductor		15 N / mm ²
Speed		up to 180m / min.
Safety parameters		
Flame spread	single cable	IEC 60332-1
Additional parameters		
Oil resistant		EN 60811-2-1
UV resistant		

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N° of cores and cross section mm ²	Outer diameter approx. mm	Weight approx. kg/km
4 G 1,5	6,0 x 16,7	220
5 G 1,5	6,0 x 20,7	280
7 G 1,5	6,0 x 27,6	380
8 G 1,5	6,0 x 30,7	420
10 G 1,5	6,5 x 40,0	580
12 G 1,5	6,5 x 46,5	690
24 G 1,5	12,2 x 53,0	1330
4 G 2,5	7,6 x 20,2	350
5 G 2,5	7,6 x 24,7	430
7 G 2,5	7,6 x 32,5	560
8 G 2,5	7,6 x 37,5	630
12 G 2,5	8,2 x 54,8	1020
24 G 2,5	16,0 x 69,8	2300
4 G 4	8,9 x 23,9	490
5 G 4	8,9 x 31,0	630
7 G 4	8,9 x 39,3	830
4 G 6	9,5 x 25,8	600
5 G 6	9,5 x 33,2	780
7 G 6	9,5 x 43,0	1010
4 G 10	10,6 x 32,0	840
5 G 10	10,6 x 39,8	1060
4 G 16	12,4 x 37,2	1210
5 G 16	12,4 x 45,8	1540
7 G 16	12,8 x 62,2	2140
4 G 25	14,3 x 46,5	1650
5 G 25	14,8 x 56,3	2160
4 G 35	16,3 x 51,8	2200
4 G 50	18,8 x 59,5	3000
4 G 70	21,8 x 68,2	4250
4 G 95	24,4 x 76,4	5300
4 G 120	26,8 x 84,4	6500

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.