

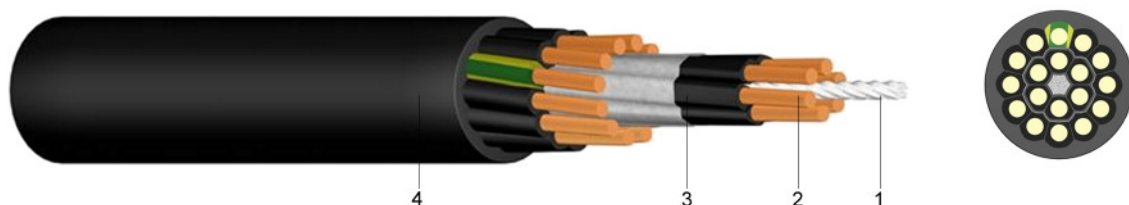
Datasheet (N)FLGöu (STN)

Version 1/2009

Rubber Control Cable with Supporting Element for Medium-Level Mechanical Stress

Application:

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.



Construction:

- 1 supporting element out of cord
- 2 fine-stranded bare copper
- 3 core insulation of a rubber compound
- 4 outer sheath of rubber (5GM1), black

According to:

adapted to DIN VDE 0250
DIN EN 60228 class 6 (construction)
Core identification: 1 core green/yellow, all other cores black with figures

Technical data:

Nominal voltage U ₀ /U		[V]	450 / 750 Volt
Test voltage		[V] _{AC}	2500
Temperature range	in motion		-25 °C till +60 °C
Operating temperature	short circuit	°C	250
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	4
Bending radius	in motion	x diameter	5
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
7 x 1	70	56 x 0,16	14,0	220
12 x 1	120	56 x 0,16	19,0	430
18 x 1	180	56 x 0,16	20,0	510
24 x 1	240	56 x 0,16	23,0	670
36 x 1	360	56 x 0,16	26,0	900
48 x 1	480	56 x 0,16	30,0	1.220
4 x 1,5	60	84 x 0,16	11,0	180
5 x 1,5	75	84 x 0,16	12,0	200
7 x 1,5	105	84 x 0,16	15,0	280
9 x 1,5	135	84 x 0,16	18,0	400
12 x 1,5	180	84 x 0,16	20,0	540
18 x 1,5	270	84 x 0,16	21,0	600
24 x 1,5	360	84 x 0,16	25,0	840
4 x 2,5	100	140 x 0,16	14,0	250
7 x 2,5	175	140 x 0,16	17,5	380
12 x 2,5	300	140 x 0,16	22,5	710