



Flat- and round cables for festoon systems - NGFLGÖU-J neoprene flat cable

Technical attributes

Standards	DIN VDE 0250-809, IEC 60228
Conductor material	Cu, bare
Conductor type	$\leq 25 \text{ mm}^2$ = very flexible; $\geq 35 \text{ mm}^2$ = flexible
Conductor standard	IEC 60228
Conductor category	$\leq 25 \text{ mm}^2$ = class 6; $\geq 35 \text{ mm}^2$ = class 5
Core colours	DIN VDE 0293 ≤ 5 cores: colour-coded, GN/YE-protection conductor; ≥ 6 cores: black, number-coded, GN/YE-protection conductor
Insulation	EPR-compound
Outer sheath	rubber-compound
Outer sheath colour	black
Temperature range min., mobile operation	-35 °C
Temperature range max., mobile operation	+90 °C
Temperature range min., fixed installation	-50 °C
Temperature range max., fixed installation	+90 °C
Permissible operating temperature at conductor max.	+90 °C
Short circuit temperature at conductor max.	+250 °C
Current carrying capacity	VDE 0298-4
Tensile load max., mobile operation	30 N/mm ²
Tensile load max., fixed installation	15 N/mm ²
Nominal voltage U ₀ /U	acc. to DIN VDE 300/500 V, suitable for 0,6/1 kV
Test voltage	3500 V
Minimum bending radius	5 x cable-Ø
RoHS-compliant	yes

Description

Applicable as power and control cables, particularly in hoists, transport equipment, machine tools, cranes and container cranes, etc., with medium mechanical stresses and operationally strong bends in one level, in dry, damp and wet rooms and outdoors.

Note

neoprene flat cable

- PVC self-extinguishing and flame-retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2/IEC 60332-1 (equivalent to DIN VDE 0472-804 test method B)
- oil-resistant HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1
- ozone-resistant
- UV-resistant
- moisture-resistant

Product table



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product number	product name	Weight ca. [kg]	Cu-weight [kg_km]	Dimensions H x W ca. [mm]	Outer sheath colour
00810001	NGFLGÖU-J 4 x 1,5 bk	220,00	58,00	6,0 x 16,70	black
00810002	NGFLGÖU-J 5 x 1,5 bk	280,00	72,00	6,0 x 20,70	black
00810003	NGFLGÖU-J 7 x 1,5 bk	380,00	101,00	6,0 x 27,60	black
00810004	NGFLGÖU-J 8 x 1,5 bk	420,00	115,00	6,0 x 30,70	black
00810005	NGFLGÖU-J 10 x 1,5 bk	580,00	144,00	6,5 x 40,0	black
00810006	NGFLGÖU-J 12 x 1,5 bk	690,00	173,00	6,5 x 46,50	black
00810007	NGFLGÖU-J 24 x 1,5 bk	1330,00	346,00	12,2 x 53,00	black
00810008	NGFLGÖU-J 4 x 2,5 bk	350,00	96,00	7,6 x 20,2	black
00810009	NGFLGÖU-J 5 x 2,5 bk	430,00	120,00	7,6 x 24,7	black
00810010	NGFLGÖU-J 7 x 2,5 bk	560,00	168,00	7,6 x 32,5	black
00810011	NGFLGÖU-J 8 x 2,5 bk	630,00	192,00	7,6 x 37,50	black
00810013	NGFLGÖU-J 12 x 2,5 bk	1020,00	288,00	8,2 x 54,80	black
00810014	NGFLGÖU-J 24 x 2,5 bk	2300,00	576,00	16,0 x 69,80	black
00810015	NGFLGÖU-J 4 x 4 bk	490,00	154,00	8,9 x 23,9	black
00810016	NGFLGÖU-J 5 x 4 bk	630,00	192,00	8,9 x 31,00	black
00810020	NGFLGÖU-J 7 x 4 bk	830,00	269,00	8,9 x 39,3	black
00810017	NGFLGÖU-J 4 x 6 bk	600,00	230,00	9,5 x 25,8	black
00810018	NGFLGÖU-J 5 x 6 bk	780,00	288,00	9,5 x 33,2	black
00810019	NGFLGÖU-J 7 x 6 bk	1010	403,20	9,5 x 43,00	black
00810021	NGFLGÖU-J 4 x 10 bk	840,00	384,00	10,6 x 32,00	black
00810022	NGFLGÖU-J 5 x 10 bk	1060,00	480,00	10,6 x 39,8	black
00810024	NGFLGÖU-J 4 x 16 bk	1210,00	614,00	12,4 x 37,2	black
00810025	NGFLGÖU-J 5 x 16 bk	1540,00	768,00	12,4 x 45,8	black
00810026	NGFLGÖU-J 7 x 16 bk	2140,00	1075,00	12,8 x 62,2	black
00810027	NGFLGÖU-J 4 x 25 bk	1650,00	960,00	14,3 x 46,50	black
00810028	NGFLGÖU-J 5 x 25 bk	2160,00	1200,00	14,8 x 56,30	black
00810030	NGFLGÖU-J 4 x 35 bk	2200,00	1344,00	16,3 x 51,80	black
00810033	NGFLGÖU-J 4 x 50 bk	3000,00	1920,00	18,8 x 59,5	black
00810034	NGFLGÖU-J 4 x 70 bk	4250,00	2688,00	21,8 x 68,2	black
00810035	NGFLGÖU-J 4 x 95 bk	5300,00	3648,00	24,4 x 76,4	black
00810036	NGFLGÖU-J 4 x 120 bk	6500,00	4608,00	26,8 x 84,40	black