



## NGFLGÖU-J neoprene flat cable

### Construction

- Standards: DIN VDE 0250-809, IEC 60228
- Conductor material: Cu, bare
- Conductor type: to 25mm<sup>2</sup> = very flexible  
from 35mm<sup>2</sup> = flexible
- Conductor standard: IEC 60228
- Conductor category: to 25mm<sup>2</sup> = class 6  
from 35mm<sup>2</sup> = class 5
- Core colours: DIN VDE 0293 to 5 cores: colour-coded, gn/ye-protection conductor  
6 cores and more: black, number-coded, gn/ye-protection conductor
- Insulation: EPR-compound
- Outer sheath: rubber-compound
- Outer sheath colour: black

### Technical Data

- Nominal voltage U<sub>0</sub>/U: acc. to DIN VDE 300/500V, suitable for 0,6/1 kV
- Test voltage: 3.500V
- Current carrying capacity: VDE 0298-4
- Minimum bending radius: 5 x cable diameter
- Tensile load max.:  
fixed installation 15 N/mm<sup>2</sup>  
mobile operation 30 N/mm<sup>2</sup>
- Temperature range:  
fixed installation -50°C to +90°C  
mobile operation -35°C to +90°C
- Permissible operating temperature at conductor max. +90°C
- Short circuit temperature at conductor max. +250°C
- RoHS-compliant

### Properties

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

### 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.

| Type  | Weight (kg) | Cu-Weight(kg/km) | Measures HxB (mm) | Outer sheath |
|-------|-------------|------------------|-------------------|--------------|
| 4x1,5 | 220         | 58               | 6,0x16,70         | black        |
| 5x1,5 | 280         | 72               | 6,0x20,70         | black        |

| Type   | Weight (kg) | Cu-Weight(kg/km) | Measures HxB (mm) | Outer sheath |
|--------|-------------|------------------|-------------------|--------------|
| 7x1,5  | 380         | 101              | 6,0x27,60         | black        |
| 8x1,5  | 420         | 115              | 6,0x30,70         | black        |
| 10x1,5 | 580         | 144              | 6,5x40,00         | black        |
| 12x1,5 | 690         | 173              | 6,5x46,50         | black        |
| 24x1,5 | 1330        | 346              | 12,2x53,00        | black        |
| 4x2,5  | 350         | 96               | 7,6x20,20         | black        |
| 5x2,5  | 430         | 120              | 7,6x24,70         | black        |
| 7x2,5  | 560         | 168              | 7,6x32,50         | black        |
| 8x2,5  | 630         | 192              | 7,6x37,50         | black        |
| 12x2,5 | 1020        | 288              | 8,2x54,80         | black        |
| 24x2,5 | 2300        | 576              | 16,0x69,80        | black        |
| 4x4    | 490         | 154              | 8,9x23,90         | black        |
| 5x4    | 630         | 192              | 8,9x31,00         | black        |
| 7x4    | 830         | 269              | 8,9x39,30         | black        |
| 4x6    | 600         | 230              | 9,5x25,80         | black        |
| 5x6    | 780         | 288              | 9,5x33,20         | black        |
| 7x6    | 1010        | 403,2            | 9,5x43,00         | black        |
| 4x10   | 840         | 384              | 10,6x32,00        | black        |
| 5x10   | 1060        | 480              | 10,6x39,8         | black        |
| 4x16   | 1210        | 614              | 12,4x37,20        | black        |
| 5x16   | 1540        | 768              | 12,4x45,80        | black        |
| 7x16   | 2140        | 1075             | 12,8x62,20        | black        |
| 4x25   | 1650        | 960              | 14,3x46,50        | black        |
| 5x25   | 2160        | 1200             | 14,8x56,30        | black        |
| 4x35   | 2200        | 1344             | 16,3x51,80        | black        |

| Type  | Weight (kg) | Cu-Weight(kg/km) | Measures HxB (mm) | Outer sheath |
|-------|-------------|------------------|-------------------|--------------|
| 4x50  | 3000        | 1920             | 18,8x59,50        | black        |
| 4x70  | 4250        | 2688             | 21,8x68,20        | black        |
| 4x95  | 5300        | 3648             | 24,4x76,40        | black        |
| 4x120 | 6500        | 4608             | 26,8x84,40        | black        |

- Further formats available on request
- All data and products subject to change