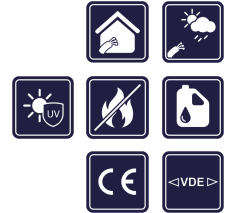




## USE OF CABLE

power and control cable for trolley systems, transfer lines, machine-tools, on hoisting devices, lift, crane and container bridges. Also in applications where cables are bended strongly in permanent moving operation in one level. Suitable for dry, humid and wet rooms and for outdoor use.



## SPECIAL FEATURES

- significant smaller bending radius compared to round cables
- also useable on request in facilities up to 0,6/1 kV.

## REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.
- Available accessory you'll find on pages 15.35.XX

## PRODUCT INFORMATION

|                              |  |
|------------------------------|--|
| Conductor material:          | Bare copper strand   |
| Conductor class:             | Up to 25 mm <sup>2</sup> acc. to IEC 60228 class 6 / 35 mm <sup>2</sup> and up acc. to IEC 60228 class 5 |
| Core insulation:             | Rubber compound  |
| Core identification:         | Acc. to VDE 0293-308 up to 5 wires coloured, from 6 wires black with white numerals with GNYE            |
| Stranding:                   | Cores resp. bundles parallel side by side  |
| Outer sheath:                | Special rubber-compound  |
| Sheath colour:               | Black  |
| Rated voltage:               | Uo/U 300/500 V   |
| Testing voltage:             | 3 kV   |
| Current-carrying-capacity:   | Acc. to DIN VDE, see Technical Guideline   |
| Min. bending radius fixed:   | Acc. to DIN VDE 0298 part 3  |
| Min. bending radius moved:   | Acc. to DIN VDE 0298 part 3  |
| Operat. temp. fixed min/max: | -40 °C / +85 °C  |
| Operat. temp. moved min/max: | -35 °C / +85 °C  |
| Temp. at conductor:          | +90 °C   |
| Burning behavior:            | Self-extinguishing and flame retardant acc. to IEC 60332-1   |
| Standard:                    | According or similar to DIN VDE 0250 part 809  |

## ITEM OVERVIEW

| Product No. | Dimension [n x mm <sup>2</sup> ] | Outer-Ø [mm]              | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant       |
|-------------|----------------------------------|---------------------------|------------------|-------------------|---------------|---------------|
| 3000040     | 4 X 1,5                          | 5,4 X 15,6 - 6,4 X 17,3   | 58,00            | 180,00            | black         | V1: NGFLGÖU-J |
| 3000052     | 5 X 1,5                          | 5,4 X 20,3 - 6,4 X 22,0   | 72,00            | 230,00            | black         | V1: NGFLGÖU-J |
| 3000059     | 7 X 1,5                          | 5,4 X 26,1 - 6,4 X 29,1   | 101,00           | 300,00            | black         | V1: NGFLGÖU-J |
| 3000067     | 8 X 1,5                          | 5,4 X 29,3 - 6,4 X 32,0   | 115,20           | 340,00            | black         | V1: NGFLGÖU-J |
| 3000034     | 10 X 1,5                         | 6,0 X 37,7 - 7,2 X 40,7   | 144,00           | 470,00            | black         | V1: NGFLGÖU-J |
| 3000036     | 12 X 1,5                         | 6,0 X 43,5 - 7,2 X 47,5   | 173,00           | 550,00            | black         | V1: NGFLGÖU-J |
| 3000096     | 42 X 1,5                         | 15,1 X 70,2 - 16,1 X 72,3 | 605,00           | 1917,00           | black         | V1: NGFLGÖU-J |
| 3000043     | 4 X 2,5                          | 6,6 X 18,7 - 7,8 X 20,7   | 96,00            | 260,00            | black         | V1: NGFLGÖU-J |
| 3000055     | 5 X 2,5                          | 6,6 X 24,0 - 7,8 X 26,0   | 120,00           | 330,00            | black         | V1: NGFLGÖU-J |
| 3000062     | 7 X 2,5                          | 6,6 X 31,0 - 7,8 X 33,9   | 168,00           | 450,00            | black         | V1: NGFLGÖU-J |
| 3000068     | 8 X 2,5                          | 6,6 X 35,0 - 7,8 X 38,0   | 192,00           | 500,00            | black         | V1: NGFLGÖU-J |
| 3000035     | 10 X 2,5                         | 7,2 X 45,0 - 8,2 X 48,0   | 240,00           | 680,00            | black         | V1: NGFLGÖU-J |
| 3000037     | 12 X 2,5                         | 7,2 X 50,8 - 8,2 X 54,8   | 288,00           | 800,00            | black         | V1: NGFLGÖU-J |
| 3000046     | 4 X 4                            | 8,0 X 23,0 - 9,4 X 25,3   | 154,00           | 410,00            | black         | V1: NGFLGÖU-J |

| Product No. | Dimension [n x mm <sup>2</sup> ] | Outer-Ø [mm]              | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant         |
|-------------|----------------------------------|---------------------------|------------------|-------------------|---------------|-----------------|
| 3000057     | 5 X 4                            | 8,0 X 29,0 - 9,4 X 32,2   | 192,00           | 520,00            | black         | V1: NGFLGÖU-J   |
| 3000065     | 7 X 4                            | 8,0 X 38,5 - 9,4 X 41,5   | 269,00           | 690,00            | black         | V1: NGFLGÖU-J   |
| 3000048     | 4 X 6                            | 8,7 X 25,4 - 10,3 X 28,0  | 230,40           | 500,00            | black         | V1: NGFLGÖU-J   |
| 3000058     | 5 X 6                            | 8,7 X 31,7 - 10,3 X 35,0  | 288,00           | 640,00            | black         | V1: NGFLGÖU-J   |
| 3000066     | 7 X 6                            | 8,7 X 42,0 - 10,3 X 45,8  | 403,20           | 860,00            | black         | V1: NGFLGÖU-J   |
| 3000041     | 4 X 10                           | 9,9 X 30,3 - 11,0 X 33,1  | 384,00           | 730,00            | black         | V1: NGFLGÖU-J   |
| 3000053     | 5 X 10                           | 9,9 X 38,0 - 11,0 X 41,5  | 480,00           | 930,00            | black         | V1: NGFLGÖU-J   |
| 3000060     | 7 X 10                           | 9,9 X 51,4 - 11,0 X 55,1  | 672,00           | 1260,00           | black         | V1: NGFLGÖU-J   |
| 3000042     | 4 X 16                           | 11,5 X 35,0 - 12,8 X 38,3 | 614,40           | 1030,00           | black         | V1: NGFLGÖU-J   |
| 3000054     | 5 X 16                           | 11,5 X 44,2 - 12,8 X 47,8 | 768,00           | 1310,00           | black         | V1: NGFLGÖU-J   |
| 3000061     | 7 X 16                           | 12,1 X 59,2 - 13,4 X 63,8 | 1075,20          | 1880,00           | black         | V1: NGFLGÖU-J   |
| 3000044     | 4 X 25                           | 13,1 X 41,5 - 14,4 X 44,8 | 960,00           | 1450,00           | black         | V1: NGFLGÖU-J   |
| 3000056     | 5 X 25                           | 13,7 X 52,0 - 14,4 X 56,6 | 1200,00          | 1840,00           | black         | V1: NGFLGÖU-J   |
| 3000063     | 7 X 25                           | 14,3 X 71,2 - 16,1 X 75,8 | 1680,00          | 2720,00           | black         | V1: NGFLGÖU-J   |
| 3000045     | 4 X 35                           | 15,1 X 47,0 - 16,4 X 50,0 | 1344,00          | 1950,00           | black         | V1: NGFLGÖU-J   |
| 3000064     | 7 X 35                           | 15,4 X 80,2 - 17,0 X 84,8 | 2352,00          | 3570,00           | black         | V1: NGFLGÖU-J   |
| 3000047     | 4 X 50                           | 17,3 X 55,0 - 18,9 X 59,0 | 1920,00          | 2700,00           | black         | V1: NGFLGÖU-J   |
| 3000049     | 4 X 70                           | 20,1 X 63,6 - 21,7 X 68,2 | 2688,00          | 3720,00           | black         | V1: NGFLGÖU-J   |
| 3000050     | 4 X 95                           | 22,7 X 72,5 - 24,3 X 77,1 | 3648,00          | 4810,00           | black         | V1: NGFLGÖU-J   |
| 3000051     | 4 X 120                          | 25,0 X 80,3 - 26,6 X 84,9 | 4608,00          | 6050,00           | black         | V1: NGFLGÖU-J   |
| 3500954     | 3 X 4 X 1,5                      | 15,0 X 35,0               | 173,00           | 810,00            | black         | V1: NGFLGÖU-J   |
| 3500955     | 4 X 4 X 1,5                      | 15,0 X 45,0               | 231,00           | 1055,00           | black         | V1: NGFLGÖU-J   |
| 3000038     | 6 X 4 X 1,5                      | 11,5 X 52,3 - 12,5 X 55,3 | 351,00           | 1110,00           | black         | V1: NGFLGÖU-J   |
| 3500956     | 3 X 4 X 2,5                      | 17,0 X 41,0               | 288,00           | 1125,00           | black         | V1: NGFLGÖU-J   |
| 3500459     | 4 X 4 X 2,5                      | 17,0 X 53,0               | 385,00           | 1465,00           | black         | V1: NGFLGÖU-J   |
| 3000039     | 6 X 4 X 2,5                      | 15,5 X 66,0 - 17,0 X 70,0 | 585,00           | 1850,00           | black         | V1: NGFLGÖU-J   |
| 3002256     | 7 X 1,5                          | 6 X 27,6                  | 101,00           | 300,00            | black         | V2: (N)GFLGÖU-O |
| 3001090     | 12 X 1,5                         | 6,5 X 47,0                | 173,00           | 630,00            | black         | V2: (N)GFLGÖU-O |