DIN VDE 0250-809 · FLAT RUBBER-SHEATHED CABLE · FESTOON DUTY | 0.6/1 kV | 6 sizes | CR rubber, low-temp | TINNED COPPER | LOW-TEMPERATURE GRADE | REELING / FESTOON DUTY

# NGFLGöu 8G 0.6/1 kV

Flat Rubber-Sheathed Flexible Cable 0.6/1 kV – 8 cores lie parallel in one plane, with the green-yellow core at the edge; a common flat sheath encloses them. Low-temperature polychloroprene rubber sheath. Complete technical data sheet: construction, dimensions, weights, current ratings, voltage drop and installation guidance for 6 sizes.

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## 01 Application and Product Overview

NGFLGöu is the flat, polychloroprene-sheathed flexible cable of DIN VDE 0250-809 for festoon and trolley systems. 8 cores of fine-wire copper lie parallel in one plane and are enclosed by a common flat sheath of oil-resistant rubber. The flat shape lets the cable hang in even loops on a festoon rail, which is why it is used on overhead cranes, conveyor tail ends and monorail systems.

### Design

The cores are EPR-insulated (type 3GI3) and are laid side by side with the green-yellow core at the edge; the remaining cores carry numbers. A rubber compound fills the space between the cores and is covered by a polychloroprene sheath that gives the cable a stable flat profile with rounded edges. Because the cores lie in one plane, the cable bends easily around the flat axis and is guided on festoon trolleys without twisting.

### Typical applications

- Festoon systems on overhead and gantry cranes
- Conveyor tail-end and belt-tripper cars that travel on a rail
- Monorail and overhead rail transport in mines and factories
- Machine-tool and press loaders with horizontally travelling carriages
- Hoists and lifting platforms that need a flat, light feeder
- Stage and studio equipment with travelling lighting bars
- Warehouse shuttles and storage and retrieval machines
- Cold-climate duty: sites, cold stores and open-cast operations where the cable is moved at temperatures down to 40 °C

| 6 sizes | 0.6/1 kV | +90 °C | CR rubber, low-temp |
|---|---|---|---|
| Cross-section 1.5 – 16 mm² | Rated voltage $U_0/U$ | Maximum conductor temperature | Sheath: CR rubber, low-temp |

### Key features

- 8 cores in one plane, with a green-yellow core at the edge
- Flat profile 55.9 mm × 10.0 mm for the largest listed size: compact festoon loops
- EPR insulation rated 90 °C; short-circuit temperature 250 °C
- Oil-resistant, flame-retardant polychloroprene sheath
- Fine-wire class 5 conductors
- Bending radius 5 × H fixed, 8 × H in festoon operation (H = cable thickness)
- 6 sizes from 1.5 to 16 mm²; weight from 262 to 1,670 kg/km; copper from 115 to 1,230 kg/km

### Core layout and conductor

8 cores lie parallel in one plane, with the green-yellow core at the edge; a common flat sheath encloses them. The conductors are tinned: each copper wire carries a thin tin coating. Tinning protects the copper against oxidation and corrosion in damp, salty or sulphurous atmospheres and keeps the conductor solderable, which is an advantage in outdoor, marine and mining installations. The resistance limits of tinned class 5 conductors are marginally higher than for bare copper; the $R_{20}$ column shows the tinned values.


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### Standard background

DIN VDE 0250-809 is the standard of the flat tough-rubber-sheathed flexible cable. It sets the number of cores, the conductor class, the insulation and sheath compounds and the flat dimensions that festoon rails and cable trolleys are designed around.

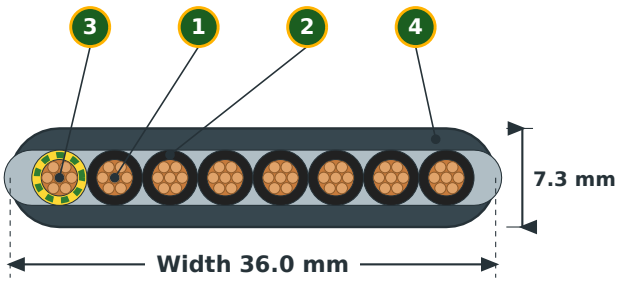
The low-temperature grade of the sheath compound remains flexible down to 40 °C in motion and 50 °C in fixed installation, so the cable can be reeled and trailed on cold sites, in cold stores and in northern open-cast operations. The mechanical and electrical ratings are those of the standard grade; only the cold-flexing limit is extended.

0.6/1 kV (rated phase-to-earth / phase-to-phase voltage) covers 400 V and 690 V three-phase systems; the test voltage is 3 kV.

## 02 Construction

**FEICHUN · CROSS-SECTION A–A · 0.6/1 kV**

**NGFLGöu**
Sample size 8G4 · Rev 0 · Illustrative, not to scale




| No. | Component | Material |
|---|---|---|
| 1 | Conductor | Tinned annealed fine-wire copper, class 5 to IEC 60228 / DIN VDE 0295 |
| 2 | Insulation | EPR rubber, type 3GI3 (90 °C) |
| 3 | Protective (PE) core | Green-yellow insulation, same cross-section as the power cores |
| 4 | Outer sheath | Polychloroprene (CR) rubber, low-temperature grade |

The drawing shows size 8G4. Other sizes have the same construction with scaled dimensions; the layout of every size is checked for non-overlap of all elements.

### Construction details

| | |
|---|---|
| **Conductor** | Tinned annealed fine-wire copper, class 5 to DIN VDE 0295 / IEC 60228 |
| **Insulation** | EPR rubber, type 3GI3 (90 °C), maximum conductor temperature 90 °C |
| **Core identification** | Green-yellow core at the edge; remaining cores black with white numbers |
| **Stranding** | Cores laid parallel in one plane |
| **Outer sheath** | Polychloroprene (CR) rubber, low-temperature grade; thickness about 1.6 mm at this size |

## 03 Electrical, Thermal and Mechanical Characteristics

### Electrical data

| | |
|---|---|
| **Rated voltage $U_0/U$** | 0.6/1 kV AC |
| **Test voltage** | 3 kV AC, 5 min |
| **Maximum operating voltage, three-phase** | 1.2 kV |
| **Maximum operating voltage, DC (core-earth / core-core)** | 0.9/1.8 kV |
| **Current-carrying capacity** | Design values by the method of DIN VDE 0298-4, free air, 30 °C ambient |
| **Conductor resistance** | Maximum at 20 °C, class 5, tinned |


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### Thermal and mechanical data

| | |
|---|---|
| **Maximum conductor temperature** | +90 °C |
| **Maximum temperature at short circuit** | +250 °C (5 s maximum) |
| **Ambient temperature, fixed installation** | −50 °C to +80 °C |
| **Ambient temperature, in motion** | −40 °C to +80 °C |
| **Minimum bending radius** | Fixed: 5 × H; festoon operation: 8 × H (H = cable thickness) |
| **Maximum tensile load** | 15 N/mm² continuous on the total copper cross-section |
| **Flame propagation** | IEC 60332-1-2 / DIN EN 60332-1-2 |
| **Halogen-free** | No (CR rubber, low-temp) |
| **Mineral oil resistance** | Resistant, DIN EN 60811-404 |
| **UV and ozone resistance** | Resistant |
| **Water** | Damp and wet areas, spray water |

## 04 Dimensions, Weights and Rated Data – 0.6/1 kV (6 sizes)

| Type designation cores × mm² | FeiChun article no. | Cond. Ø max mm | Width mm | Height mm | Bend radius fixed mm | Bend radius moving mm | Weight approx. kg/km | Copper kg/km | Max. pull N | $R_{20}$ max Ω/km | Rated current A | $I_k$ (1 s) kA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **8G1.5** | FC-NGFL-0619-01 | 1.7 | 26.7 | 5.4 | 27 | 43 | 262 | 115 | 180 | 13.7 | 13 | 0.214 |
| **8G2.5** | FC-NGFL-0619-02 | 2.2 | 30.6 | 5.9 | 29 | 47 | 367 | 192 | 300 | 8.21 | 18 | 0.357 |
| **8G4** | FC-NGFL-0619-03 | 2.7 | 36.0 | 7.3 | 37 | 58 | 560 | 307 | 480 | 5.09 | 25 | 0.572 |
| **8G6** | FC-NGFL-0619-04 | 3.3 | 40.9 | 8.0 | 40 | 64 | 760 | 460 | 720 | 3.39 | 32 | 0.858 |
| **8G10** | FC-NGFL-0619-05 | 4.1 | 47.2 | 8.8 | 44 | 71 | 1,120 | 770 | 1,200 | 1.95 | 44 | 1.43 |
| **8G16** | FC-NGFL-0619-06 | 5.2 | 55.9 | 10.0 | 50 | 80 | 1,670 | 1,230 | 1,920 | 1.24 | 59 | 2.29 |

Current-carrying capacity: design values by the method of DIN VDE 0298-4, free air, 30 °C ambient; for other ambient temperatures use the factors below and the multi-core reduction factor already included in the table. Copper weight = 9.6 kg/(km·mm²) of copper cross-section (VDE copper index). Pull force = 15 N/mm² × total copper cross-section of the power cores. Diameters, dimensions and weights are nominal design values calibrated to published type tables; they vary within manufacturing tolerances. Confirm critical dimensions before dimensioning reels, glands or festoon systems. Other sizes and configurations are produced to order.

### Ambient temperature factors (conductor 90 °C)

| °C | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
|---|---|---|---|---|---|---|---|---|---|
| Factor | 1.08 | 1.04 | 1.00 | 0.96 | 0.91 | 0.87 | 0.82 | 0.76 | 0.71 |

### Short-circuit current rating

$I_k$ = 0.143 kA/mm² × cross-section of the power core (conductor 90 °C → 250 °C). For another duration t: $I_{k,t} = I_{k,1s} / \sqrt{t}$ (0.1 s ≤ t ≤ 5 s).

## 05 Tensile Load, Reeling and Festoon Data

The values below support reel and festoon design: the permitted pull split into copper and braid parts, the free-hanging length (the length at which the cable's own weight reaches the rated pull, without a safety factor), the minimum reel core diameter and an indicative winding capacity for a reel with 2,500 mm flange diameter and 1,000 mm traverse width at 90 % fill. They are not a substitute for the reel manufacturer's calculation.

| Type designation cores × mm² | Pull, copper N | Total permitted pull N | Free-hanging length m (vertical) | Min. festoon loop Ø mm |
|---|---|---|---|---|
| **8G1.5** | 180 | 180 | 70 | 86 |
| **8G2.5** | 300 | 300 | 83 | 94 |
| **8G4** | 480 | 480 | 87 | 116 |
| **8G6** | 720 | 720 | 96 | 128 |
| **8G10** | 1,200 | 1,200 | 109 | 142 |
| **8G16** | 1,920 | 1,920 | 117 | 160 |


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## 06 Voltage Drop, Losses and Short-Circuit Data

Voltage drop per 100 m of cable at rated current with the conductor at 90 °C, cos φ = 0.8 and reactance 0.08 Ω/km (three-phase). The percentage refers to a system voltage of 400 V. Loss is the total I²R loss of the loaded cores per 100 m. The short-circuit columns give the permitted current for four durations.

| Type designation cores × mm² | Rated current A | R at 90 °C Ω/km | Voltage drop V / 100 m | Voltage drop % of 400 V | Loss kW / 100 m | $I_k$ 0.1 s kA | $I_k$ 0.5 s kA | $I_k$ 1 s kA | $I_k$ 3 s kA |
|---|---|---|---|---|---|---|---|---|---|
| **8G1.5** | 13 | 17.5 | 31.58 | 7.89 | 0.89 | 0.678 | 0.303 | 0.214 | 0.124 |
| **8G2.5** | 18 | 10.5 | 26.26 | 6.56 | 1.02 | 1.13 | 0.506 | 0.357 | 0.206 |
| **8G4** | 25 | 6.49 | 22.69 | 5.67 | 1.22 | 1.81 | 0.809 | 0.572 | 0.330 |
| **8G6** | 32 | 4.32 | 19.43 | 4.86 | 1.33 | 2.71 | 1.21 | 0.858 | 0.495 |
| **8G10** | 44 | 2.49 | 15.53 | 3.88 | 1.44 | 4.52 | 2.02 | 1.43 | 0.826 |
| **8G16** | 59 | 1.58 | 13.42 | 3.35 | 1.65 | 7.24 | 3.24 | 2.29 | 1.32 |

## 07 Selection Guide and Sizing Aid

NGFLGöu 8G covers 6 sizes. The smallest, 8G1.5, has 26.7 × 5.4 mm and weighs about 262 kg/km; the largest, 8G16, has 55.9 × 10.0 mm and weighs about 1,670 kg/km, 6.4 times as much. Across the range the rated current rises from 13 A to 59 A at 30 °C and the fixed bending radius from 27 mm to 50 mm.

**Example 1.** A circuit draws 17 A continuously at 40 °C ambient temperature, in a group of two cables. Temperature factor 0.91, grouping factor 0.80: required table current = 17 / (0.91 × 0.80) = 24 A. The smallest suitable size is 8G4 with 25 A.

**Example 2.** A circuit draws 39 A continuously at 35 °C ambient temperature, on its own. Temperature factor 0.96: required table current = 39 / (0.96) = 41 A. The smallest suitable size is 8G10 with 44 A.

## 08 Engineering Profile by Size

Every size of NGFLGöu 8G with the dimensions that decide how it behaves in a circuit: layers, weight, copper share, heat, voltage drop, bending, termination and pull.

**8G1.5.** This size has with a conductor of Ø 1.7 mm under 0.70 mm of insulation (core Ø 3.1 mm) and an outer sheath of 1.2 mm; 26.7 × 5.4 mm (W × H), weight about 262 kg/km of which copper 115 kg/km (44 %). Rated current 13 A at 30 °C; at that load the voltage drop is 31.58 V per 100 m (7.89 % of 400 V) and the loss 0.89 kW per 100 m. Bending radius 27 mm fixed, 43 mm moving; gland flat, lug bolt M5. Short-circuit rating 0.214 kA for 1 s; permitted pull 180 N, free-hanging length 70 m.

**8G2.5.** This size has with a conductor of Ø 2.1 mm under 0.70 mm of insulation (core Ø 3.5 mm) and an outer sheath of 1.2 mm; 30.6 × 5.9 mm (W × H), weight about 367 kg/km of which copper 192 kg/km (52 %). Rated current 18 A at 30 °C; at that load the voltage drop is 26.26 V per 100 m (6.56 % of 400 V) and the loss 1.02 kW per 100 m. Bending radius 29 mm fixed, 47 mm moving; gland flat, lug bolt M5. Short-circuit rating 0.357 kA for 1 s; permitted pull 300 N, free-hanging length 83 m.

**8G4.** This size has with a conductor of Ø 2.7 mm under 0.70 mm of insulation (core Ø 4.1 mm) and an outer sheath of 1.6 mm; 36.0 × 7.3 mm (W × H), weight about 560 kg/km of which copper 307 kg/km (55 %). Rated current 25 A at 30 °C; at that load the voltage drop is 22.69 V per 100 m (5.67 % of 400 V) and the loss 1.22 kW per 100 m. Bending radius 37 mm fixed, 58 mm moving; gland flat, lug bolt M5. Short-circuit rating 0.572 kA for 1 s; permitted pull 480 N, free-hanging length 87 m.

**8G6.** This size has with a conductor of Ø 3.3 mm under 0.70 mm of insulation (core Ø 4.7 mm) and an outer sheath of 1.6 mm; 40.9 × 8.0 mm (W × H), weight about 760 kg/km of which copper 460 kg/km (61 %). Rated current 32 A at 30 °C; at that load the voltage drop is 19.43 V per 100 m (4.86 % of 400 V) and the loss 1.33 kW per 100 m. Bending radius 40 mm fixed, 64 mm moving; gland flat, lug bolt M5. Short-circuit rating 0.858 kA for 1 s; permitted pull 720 N, free-hanging length 96 m.

**8G10.** This size has with a conductor of Ø 4.1 mm under 0.70 mm of insulation (core Ø 5.5 mm) and an outer sheath of 1.7 mm; 47.2 × 8.8 mm (W × H), weight about 1,120 kg/km of which copper 770 kg/km (69 %). Rated current 44 A at 30 °C; at that load the voltage drop is 15.53 V per 100 m (3.88 % of 400 V) and the loss 1.44 kW per 100 m. Bending radius 44 mm fixed, 71 mm moving; gland flat, lug bolt M6. Short-circuit rating 1.43 kA for 1 s; permitted pull 1,200 N, free-hanging length 109 m.

**8G16.** This size has with a conductor of Ø 5.2 mm under 0.70 mm of insulation (core Ø 6.6 mm) and an outer sheath of 1.7 mm; 55.9 × 10.0 mm (W × H), weight about 1,670 kg/km of which copper 1,230 kg/km (74 %). Rated current 59 A at 30 °C; at that load the voltage drop is 13.42 V per 100 m (3.35 % of 400 V) and the loss 1.65 kW per 100 m. Bending radius 50 mm fixed, 80 mm moving; gland flat, lug bolt M6. Short-circuit rating 2.29 kA for 1 s; permitted pull


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1,920 N, free-hanging length 117 m.

Averaged over all sizes copper makes up 65 % of the cable weight; the share rises from 44 % at 8G1.5 to 74 % at 8G16, which is why the larger sizes are costed mostly on the copper market price.

## 09 Construction Dimensions by Size

Wall thicknesses and diameters of the layers at each size, taken from the validated cross-section layout; the overall diameter in section 04 is the sum of these layers within tolerance. The insulation wall follows the voltage class 0.6/1 kV.

| Type designation cores × mm² | Conductor Ø mm | Core Ø over insulation, mm | Insulation wall mm | Core row width mm | Inner sheath mm | Outer sheath mm | Screen + braid mm | Sheath share of Ø, % |
|---|---|---|---|---|---|---|---|---|
| **8G1.5** | 1.65 | 3.05 | 0.70 | 24.4 | – | 1.15 | – | 43 |
| **8G2.5** | 2.13 | 3.53 | 0.70 | 28.2 | – | 1.18 | – | 40 |
| **8G4** | 2.70 | 4.10 | 0.70 | 32.8 | – | 1.60 | – | 44 |
| **8G6** | 3.30 | 4.70 | 0.70 | 37.6 | – | 1.64 | – | 41 |
| **8G10** | 4.08 | 5.48 | 0.70 | 43.9 | – | 1.67 | – | 38 |
| **8G16** | 5.16 | 6.56 | 0.70 | 52.4 | – | 1.73 | – | 35 |

## 10 Termination Planning (indicative)

| Type designation cores × mm² | Outer Ø or W × H mm | Cable gland thread | Lug / ferrule bolt | Strip length mm | Straight length behind gland, mm |
|---|---|---|---|---|---|
| **8G1.5** | 26.7 × 5.4 | flat gland | M5 | 10 | 15 |
| **8G2.5** | 30.6 × 5.9 | flat gland | M5 | 10 | 15 |
| **8G4** | 36.0 × 7.3 | flat gland | M5 | 10 | 20 |
| **8G6** | 40.9 × 8.0 | flat gland | M5 | 11 | 20 |
| **8G10** | 47.2 × 8.8 | flat gland | M6 | 11 | 20 |
| **8G16** | 55.9 × 10.0 | flat gland | M6 | 12 | 25 |

Gland threads, lug bolts and strip lengths are planning guides computed from the dimensions above; confirm them with the accessory manufacturer.

## 11 Comparison with Related Variants at Size 8G4

| Variant | Differs in | Outer Ø / H mm | Weight kg/km | Pull N | Current A |
|---|---|---|---|---|---|
| **This datasheet** NGFLGöu 8G 0.6/1 kV | – | 7.3 | 560 | 480 | 25 |
| NGFLGöu 7G 0.6/1 kV 7G4 | core configuration | 7.3 (+0%) | 490 (-12%) | 420 (-12%) | 27 (+8%) |
| NGFLGöu 10G 0.6/1 kV 10G4 | core configuration | 7.3 (+0%) | 700 (+25%) | 600 (+25%) | 22 (-12%) |
| NGFLGöu 8G 0.6/1 kV 8G4 | tinned vs bare copper | 7.3 (+0%) | 560 (+0%) | 480 (+0%) | 25 (+0%) |
| NGFLGöu 8G 0.6/1 kV 8G4 | low-temperature sheath | 7.3 (+0%) | 560 (+0%) | 480 (+0%) | 25 (+0%) |
| NGFLGöu 8G 0.66/1.14 kV 8G4 | voltage class | 7.5 (+3%) | 580 (+4%) | 480 (+0%) | 25 (+0%) |
| NGFLGöu 6G 0.6/1 kV 6G4 | core configuration | 7.3 (+0%) | 420 (-25%) | 360 (-25%) | 28 (+12%) |
| NGFLGöu 12G 0.6/1 kV 12G4 | core configuration | 7.3 (+0%) | 840 (+50%) | 720 (+50%) | 20 (-20%) |
| NGFLGöu 5G 0.6/1 kV 5G4 | core configuration | 7.3 (+0%) | 354 (-37%) | 300 (-38%) | 32 (+28%) |

Percentages show the change against this datasheet; where a variant does not offer the exact size, the nearest listed size is used.


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## 12 Standards and Testing

| Standard | Scope |
|---|---|
| **DIN VDE 0250-809** | Flat tough-rubber-sheathed flexible cable |
| **DIN VDE 0295 / IEC 60228** | Conductors, class 5 |
| **DIN VDE 0207-20 / -21** | Rubber insulation and sheath compounds |
| **DIN VDE 0298-3 / -4** | Application and current-carrying capacity |
| **DIN EN 60332-1-2 / IEC 60332-1-2** | Flame propagation |

### Routine and type tests

- AC voltage test on every drum length (routine test): 3 kV, 5 min
- Conductor resistance and checks of dimensions, insulation thickness and sheath thickness
- Continuity of conductors and protective earth
- Flame propagation test (IEC 60332-1-2) and mineral-oil resistance on type-test samples
- Bending and torsion tests for reeling duty (type test)

**Test documentation:** every delivery is accompanied by a test certificate from FeiChun's own laboratory. Third-party witnessed tests can be arranged at the buyer's cost.

The design follows DIN VDE 0250-809. This datasheet does not claim the VDE approval mark; mark or approval certificates, where required for a project, are arranged on request and apply only to the type tested.

## 13 Installation, Marking and Delivery

### Installation guidance

- Hang the cable on its flat side only; never let it twist around its longitudinal axis in the festoon loop.
- Keep the loop diameter at or above twice the bending radius of the table.
- Use trolleys with a rounded cable clamp that spreads the clamping force across the flat width.
- Provide a free loop at both ends so that travel does not pull on the terminations.
- Separate the cable from sharp rail edges with protective profiles.
- Leave the green-yellow core slightly longer than the others at the terminal.

### Sheath marking

FEICHUN NGFLGöu [cross-section] 0.6/1 kV [year] [serial no.] [metre mark]

### Packing and delivery

| | |
|---|---|
| **Drum** | Steel or fumigated wooden drums; cable ends sealed with heat-shrink caps |
| **Delivery length** | As ordered, in one continuous length without joints |
| **Lead time** | 2–3 weeks after technical approval |
| **Warranty** | At least 3 years against manufacturing defects |
| **Drum label** | Type, cross-section, length, gross/net weight, batch no., drum no. |

### Ordering information

**Order example: NGFLGöu 8G4 0.6/1 kV** – 500 m on one drum. When requesting a quotation, state the cable type, configuration, cross-section, voltage, conductor (tinned), length per piece, required standards and installation conditions.

## 14 Certification and Quality

All cable is subject to FeiChun's quality control, with routine testing over 100 % of the delivered length. Declarations of conformity, type-test reports and third-party tests (for example for a mine, a tunnel or a rail project) are provided per project requirement; copies of the records are available on request. FeiChun holds CE, EAC and UKCA documentation for certain product groups. Whether a certificate covers this specific construction must be confirmed with FeiChun before it is quoted in a tender.

VDE, mine-specific (for example coal-mine safety marks, MSHA) and ATEX / IECEx approvals are not implied by this datasheet. They depend on the project, the machine and the country and are arranged with the end user.

## 15 Related Datasheets and Frequently Asked Questions

Variants of this cable with a different configuration, conductor, temperature grade, screen or voltage. All datasheets are PDF files.

- NGFLGöu 7G 0.6/1 kV – core configuration, CR rubber, low-temp, tinned
- NGFLGöu 10G 0.6/1 kV – core configuration, CR rubber, low-temp, tinned
- NGFLGöu 8G 0.6/1 kV – tinned vs bare copper, CR rubber, low-temp


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- NGFLGöu 8G 0.6/1 kV – low-temperature sheath, CR rubber, tinned
- NGFLGöu 8G 0.66/1.14 kV – voltage class, CR rubber, low-temp, tinned
- NGFLGöu 6G 0.6/1 kV – core configuration, CR rubber, low-temp, tinned
- NGFLGöu 12G 0.6/1 kV – core configuration, CR rubber, low-temp, tinned
- NGFLGöu 5G 0.6/1 kV – core configuration, CR rubber, low-temp, tinned

Overview of all NGFLGöu datasheets: NGFLGöu Flat Rubber-Sheathed Cables

### Frequently asked questions

**Why use a flat cable?**
A flat cable hangs in uniform loops and takes less festoon height than a round cable of the same core count.

**How many cores does NGFLGöu 8G have?**
8 cores, including one green-yellow protective core.

**What sizes are available for NGFLGöu 8G?**
6 sizes from 1.5 to 16 mm². The outer dimension of the largest size, 8G16, is 10.0 mm and the weight is about 1,670 kg/km.

**What current can 8G6 carry?**
32 A in free air at 30 °C ambient, with the conductor at 90 °C. Other temperatures and grouping change the value; use the factors in section 04.

## 16 Trademark Notice and Intellectual Property

Cable type designations such as NGFLGöu are standardised, descriptive designations defined in DIN VDE and EN standards; they are used to state which standard this product is designed to. References to other manufacturers' trade names, where made, serve only for technical comparison; FeiChun Cables is not affiliated with them.

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