



**SPEZIALKABEL / SPEZIALLEITUNGEN**

**(N)GFLCGÖU**

*Screened Flat Cable  
acc. to VDE 0250 part 809*



|                                |                                                |
|--------------------------------|------------------------------------------------|
| <b>conductor material:</b>     | bare copper                                    |
| <b>conductor construction:</b> | fine stranded class 6, up from 35 sqmm class 5 |
| <b>insulation:</b>             | rubber (EPR) 3GI3, halogenfree                 |
| <b>screen:</b>                 | Cu-network, tinned                             |
| <b>sheathing material:</b>     | rubber (CR) 5GM3                               |

|                                               |                              |
|-----------------------------------------------|------------------------------|
| <b>flame retardant:</b>                       | VDE 0482-332-1-2/IEC 60332-1 |
| <b>ozone resistant:</b>                       | yes                          |
| <b>screen coverage:</b>                       | 80%                          |
| <b>max. temperature at conductor:</b>         | 90°C                         |
| <b>max. operating temperature, fixed:</b>     | -40 up to +80°C              |
| <b>temperature moved/during installation:</b> | -35 up to +80°C              |
| <b>bending radius, fixed installation:</b>    | 5 x DA                       |
| <b>bending radius, moved application:</b>     | 10 x DA                      |

|                             |                                                                       |
|-----------------------------|-----------------------------------------------------------------------|
| <b>nominal voltage U0:</b>  | 300 V                                                                 |
| <b>nominal voltage U:</b>   | 500 V                                                                 |
| <b>test voltage:</b>        | 2000 V                                                                |
| <b>core identification:</b> | colours acc. VDE 0293 (HD 308);<br>more than 5 cores: gn-ye + numbers |

**application:** For the connection of mobile parts of machine tools, conveyor plants and major items of equipment, if the cable are exposed to bends in only one level. For installation in dry, damp and wet areas as well as outdoor. Due to the screening of each single core the cable has improved EMC performance.

*The products and information presented here are for technical calculation only.  
They are subject to technical progress and in no way represent the ability of shipment.  
Outer diameters are approximately.*



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| KENEX<br>PART<br>NUMBER | NUMBER CORES<br>X<br>CROSS SECTION MM <sup>2</sup> | WIDTH<br>MM | HEIGHT<br>MM | COPPER<br>WEIGHT<br>KG/KM | CABLE<br>WEIGHT<br>KG/KM |
|-------------------------|----------------------------------------------------|-------------|--------------|---------------------------|--------------------------|
| 02304150C               | (N)GFLCGOEU-J 4 x 1,5                              | 18,5        | 6,5          | 99                        | 230                      |
| 02308150C               | (N)GFLCGOEU-J 8 x 1,5                              | 36,1        | 7,5          | 228                       | 640                      |
| 02312150C               | (N)GFLCGOEU-J 12 x 1,5                             | 54,5        | 8,5          | 342                       | 770                      |
| 02304250C               | (N)GFLCGOEU-J 4 x 2,5                              | 22,5        | 7,5          | 163                       | 340                      |
| 02312250C               | (N)GFLCGOEU-J 12 x 2,5                             | 69,5        | 9,5          | 500                       | 1061                     |
| 02304400C               | (N)GFLCGOEU-J 4 x 4                                | 29,1        | 10,5         | 241                       | 505                      |
| 02304600C               | (N)GFLCGOEU-J 4 x 6                                | 31,1        | 10,5         | 353                       | 600                      |
| 02341000C               | (N)GFLCGOEU-J 4 x 10                               | 36,1        | 10,5         | 495                       | 855                      |
| 02341600C               | (N)GFLCGOEU-J 4 x 16                               | 41,5        | 13,5         | 687                       | 1160                     |
| 02342500C               | (N)GFLCGOEU-J 4 x 25                               | 47,1        | 15,1         | 1114                      | 1640                     |
| 02343500C               | (N)GFLCGOEU-J 4 x 35                               | 55,1        | 17,1         | 1482                      | 2540                     |
| 02345000C               | (N)GFLCGOEU-J 4 x 50                               | 66,1        | 20,5         | 2012                      | 3030                     |
| 02304210C               | (N)GFLCGOEU-J 4 x (2 x 1)                          | 11,4        | 33,8         | 273                       | 663                      |
| 02307210C               | (N)GFLCGOEU-J 7 x (2 x 1)                          | 11,4        | 56,0         | 477                       | 1100                     |
| 02306250C               | (N)GFLCGOEU-J 6 x (2 x 2,5)                        | 15,6        | 65,1         | 698                       | 1800                     |