

# PUR-ORANGE

PVC-inner sheath, high abrasion, coolant resistant, meter marking



HELUKABEL PUR-ORANGE-JZ 3G1 QMM / 22007 300/500 V 001042011

CE



HELUKABEL PUR-ORANGE-JB 5G1,5 QMM / 22261 300/500 V 001042001

CE

## Technical data

- Special-PVC/PUR cable adapted to DIN VDE 0285-525-1 / DIN EN 50525-1
- **Temperature range**  
flexing -15°C to +80°C  
fixed installation -40°C to +80°C
- **Nominal voltage**  
U<sub>0</sub>/U 300/500 V
- **Test voltage**  
3000 V
- **Breakdown voltage**  
min. 6000 V
- **Minimum bending radius**  
flexing 7.5x cable Ø  
fixed installation 4x cable Ø

## Cable structure

- Bare copper conductor, to DIN VDE 0295 cl.5, fine wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of special PVC compound type T12 adapted to DIN VDE 0207-363-3 / DIN EN 50363-3
- Core identification to DIN VDE 0293-308  
JZ/OZ-version: black cores with continuous white numbering  
JB/OB-version: coloured cores
- GN-YE conductor, 3 cores and above
- Cores stranded in layers with optimal lay length
- Inner sheath of PVC
- Outer sheath of PUR compound type TMPU to DIN EN 50363-10-2
- Sheath colour: orange (RAL 2003)
- With meter marking

## Properties

- High flexibility at low temperature
- High abrasion resistance
- **Resistant to**  
Oils and fats  
Non-alcoholic fuels and kerosene  
Atmospheric influences  
UV-radiation  
Oxygene and ozone  
Microbes and rotting  
Sea and waste water  
Vibrations
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

## Note

- G = with GN-YE conductor  
x = without GN-YE conductor (OZ/OB).
- AWG sizes are approximate equivalent values. The actual cross section is in mm<sup>2</sup>.

## Application

Robust connecting and control cable with an outstanding resistance to oil and abrasion. Suitable for use in tool making and machine industries, steel works, on building sites and in the oil and coal industries. The cable can also be used for portable tools etc. To be recommended if the cable comes into contact with chemical agents.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

### JZ/OZ-version: cores numbered

| Part no. | No. cores x cross-sec. mm <sup>2</sup> | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | AWG-No. |
|----------|----------------------------------------|-----------------|---------------------|---------------------|---------|
| 22001    | 2 x 0,75                               | 6,4             | 14,4                | 50,0                | 19      |
| 22002    | 3 G 0,75                               | 6,8             | 21,6                | 70,0                | 19      |
| 22003    | 4 G 0,75                               | 7,3             | 28,8                | 80,0                | 19      |
| 22004    | 5 G 0,75                               | 8,2             | 36,0                | 100,0               | 19      |
| 22005    | 7 G 0,75                               | 9,2             | 50,0                | 140,0               | 19      |
| 22006    | 2 x 1                                  | 7,2             | 19,2                | 63,0                | 18      |
| 22007    | 3 G 1                                  | 7,6             | 29,0                | 76,0                | 18      |
| 22008    | 4 G 1                                  | 8,0             | 38,0                | 95,0                | 18      |
| 22009    | 5 G 1                                  | 8,8             | 48,0                | 120,0               | 18      |
| 22010    | 7 G 1                                  | 10,0            | 67,0                | 170,0               | 18      |
| 22015    | 2 x 1,5                                | 7,8             | 29,0                | 80,0                | 16      |
| 22016    | 3 G 1,5                                | 8,3             | 43,0                | 105,0               | 16      |
| 22017    | 4 G 1,5                                | 9,0             | 58,0                | 135,0               | 16      |
| 22018    | 5 G 1,5                                | 9,7             | 72,0                | 158,0               | 16      |
| 22019    | 7 G 1,5                                | 11,2            | 101,0               | 221,0               | 16      |
| 22025    | 2 x 2,5                                | 9,2             | 48,0                | 150,0               | 14      |
| 22026    | 3 G 2,5                                | 9,6             | 72,0                | 173,0               | 14      |
| 22027    | 4 G 2,5                                | 11,0            | 96,0                | 203,0               | 14      |
| 22028    | 5 G 2,5                                | 12,0            | 120,0               | 253,0               | 14      |
| 22029    | 7 G 2,5                                | 13,7            | 168,0               | 356,0               | 14      |
| 22033    | 3 G 4                                  | 11,8            | 115,0               | 250,0               | 12      |
| 22034    | 4 G 4                                  | 13,2            | 154,0               | 300,0               | 12      |
| 22035    | 5 G 4                                  | 14,8            | 192,0               | 370,0               | 12      |
| 22036    | 7 G 4                                  | 16,4            | 269,0               | 500,0               | 12      |
| 22037    | 4 G 6                                  | 15,4            | 230,0               | 480,0               | 10      |
| 22038    | 5 G 6                                  | 17,0            | 288,0               | 583,0               | 10      |
| 22039    | 7 G 6                                  | 20,8            | 403,0               | 780,0               | 10      |
| 22040    | 4 G 10                                 | 20,8            | 384,0               | 740,0               | 8       |
| 22041    | 5 G 10                                 | 22,6            | 480,0               | 920,0               | 8       |
| 22042    | 4 G 16                                 | 23,0            | 614,0               | 1100,0              | 6       |
| 22043    | 5 G 16                                 | 27,4            | 768,0               | 1400,0              | 6       |

### JB/OB-version: cores colour coded

| Part no. | No. cores x cross-sec. mm <sup>2</sup> | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | AWG-No. |
|----------|----------------------------------------|-----------------|---------------------|---------------------|---------|
| 22250    | 2 x 0,75                               | 6,4             | 14,4                | 50,0                | 19      |
| 22251    | 3 G 0,75                               | 6,8             | 21,6                | 70,0                | 19      |
| 22252    | 4 G 0,75                               | 7,3             | 28,8                | 80,0                | 19      |
| 22253    | 5 G 0,75                               | 8,2             | 36,0                | 100,0               | 19      |
| 22254    | 2 x 1                                  | 7,2             | 19,2                | 63,0                | 18      |
| 22255    | 3 G 1                                  | 7,6             | 29,0                | 76,0                | 18      |
| 22256    | 4 G 1                                  | 8,0             | 38,0                | 95,0                | 18      |
| 22257    | 5 G 1                                  | 8,8             | 48,0                | 120,0               | 18      |
| 22258    | 2 x 1,5                                | 7,8             | 29,0                | 80,0                | 16      |
| 22259    | 3 G 1,5                                | 8,3             | 43,0                | 105,0               | 16      |
| 22260    | 4 G 1,5                                | 9,0             | 58,0                | 135,0               | 16      |
| 22261    | 5 G 1,5                                | 9,7             | 72,0                | 158,0               | 16      |
| 22262    | 2 x 2,5                                | 9,2             | 48,0                | 150,0               | 14      |
| 22263    | 3 G 2,5                                | 9,6             | 72,0                | 173,0               | 14      |
| 22264    | 4 G 2,5                                | 11,0            | 96,0                | 203,0               | 14      |
| 22265    | 5 G 2,5                                | 12,0            | 120,0               | 253,0               | 14      |
| 22266    | 4 G 4                                  | 13,2            | 154,0               | 300,0               | 12      |
| 22267    | 5 G 4                                  | 14,8            | 192,0               | 370,0               | 12      |
| 22268    | 4 G 6                                  | 15,4            | 230,0               | 480,0               | 10      |
| 22269    | 5 G 6                                  | 17,0            | 288,0               | 583,0               | 10      |
| 22270    | 4 G 10                                 | 20,8            | 384,0               | 740,0               | 8       |
| 22271    | 5 G 10                                 | 22,6            | 480,0               | 920,0               | 8       |
| 22272    | 4 G 16                                 | 23,0            | 614,0               | 1100,0              | 6       |
| 22273    | 5 G 16                                 | 27,4            | 768,0               | 1400,0              | 6       |
| 22044    | 4 G 25                                 | 30,0            | 960,0               | 1600,0              | 4       |
| 22045    | 5 G 25                                 | 32,2            | 1200,0              | 2000,0              | 4       |
| 22046    | 4 G 35                                 | 33,0            | 1344,0              | 2100,0              | 2       |

Dimensions and specifications may be changed without prior notice. (RA02)