



## Technical data

- Special PVC/PUR cable adapted to DIN VDE 0281, 0282
- **Temperature range**  
flexing -5°C to +80°C  
fixed installation -40°C to +80°C
- **Nominal voltage** U0/U 300/500 V
- **Test voltage** 3000 V
- **Breakdown voltage** min. 6000 V
- **Insulation resistance**  
min. 20 MΩm x km
- **Minimum bending radius**  
flexing 7,5x cable Ø  
fixed installation 4x cable Ø
- **Radiation resistance**  
up to 100x106 cJ/kg (up to 100 Mrad)

## Cable structure

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation T12, to DIN VDE 0281 part 1
- Core identification to DIN VDE 0293-308
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- PVC inner sheath guarantees easy cable stripping
- PUR-outer jacket, TPU, to DIN VDE 0282 part 10, appendix A
- Colour yellow (RAL 1021)
- with meter marking, change-over in 2009

## Properties

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

## Note

- G = with green-yellow earth core;  
x = without green-yellow earth core (OB).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- Further jacket colours e.g. black, green etc. on request.
- Art.no. 22212 = JB.
- Art.no. 22220 = JZ.

## Application

Robust 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= The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

| 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. |
|----------|--|-----------------|---------------------|---------------------|---------|
| 22200    | 2 x 0,75                               | 6,4             | 14,4                | 50,0                | 18      |
| 22201    | 3 G 0,75                               | 6,8             | 21,6                | 70,0                | 18      |
| 22202    | 4 G 0,75                               | 7,3             | 28,8                | 80,0                | 18      |
| 22203    | 5 G 0,75                               | 8,2             | 36,0                | 100,0               | 18      |
| 22204    | 7 G 0,75                               | 9,2             | 50,0                | 140,0               | 18      |
| 22205    | 2 x 1                                  | 7,2             | 19,2                | 63,0                | 17      |
| 22206    | 3 G 1                                  | 7,6             | 29,0                | 76,0                | 17      |
| 22207    | 4 G 1                                  | 8,0             | 38,0                | 95,0                | 17      |
| 22208    | 5 G 1                                  | 8,8             | 48,0                | 120,0               | 17      |
| 22209    | 7 G 1                                  | 10,0            | 67,0                | 170,0               | 17      |
| 22210    | 2 x 1,5                                | 7,8             | 29,0                | 80,0                | 16      |
| 22211    | 3 G 1,5                                | 8,3             | 43,0                | 105,0               | 16      |
| 22220    | 4 G 1,5                                | 9,0             | 58,0                | 135,0               | 16      |
| 22212    | 4 G 1,5                                | 9,0             | 58,0                | 135,0               | 16      |
| 22213    | 5 G 1,5                                | 9,7             | 72,0                | 158,0               | 16      |
| 22214    | 7 G 1,5                                | 11,2            | 101,0               | 221,0               | 16      |

| 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. |
|----------|--|-----------------|---------------------|---------------------|---------|
| 22215    | 2 x 2,5                                | 9,2             | 48,0                | 150,0               | 14      |
| 22216    | 3 G 2,5                                | 9,6             | 72,0                | 173,0               | 14      |
| 22217    | 4 G 2,5                                | 11,0            | 96,0                | 203,0               | 14      |
| 22218    | 5 G 2,5                                | 12,0            | 120,0               | 253,0               | 14      |
| 22219    | 7 G 2,5                                | 13,7            | 168,0               | 356,0               | 14      |
| 22221    | 4 G 4                                  | 14,6            | 153,6               | 310,0               | 12      |
| 22222    | 5 G 4                                  | 14,8            | 192,0               | 370,0               | 12      |
| 22233    | 4 G 35                                 | 33,0            | 1344,0              | 2100,0              | 2       |

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