



HELUKABEL SUPERTRONIC-PVC 4x0,25 QMM / 49563 350 V 001041714

CE



## Technical data

- Special PVC cable for drag chains, adapted to DIN VDE 0285-525-1 / DIN EN 50525-1
- Very high flexible due to special construction
- **Temperature range**  
flexing -5°C to +70°C  
fixed installation -40°C to +70°C
- **Nominal voltage** 350 V
- **Test voltage** 1500 V
- **Breakdown voltage** min. 3000 V
- **Insulation resistance**  
min. 20 MOhm x km
- **Minimum bending radius**  
flexing 5x cable Ø  
fixed installation 3x cable Ø
- **Radiation resistance**  
up to 80x10<sup>5</sup> cJ/kg (up to 80 Mrad)

## Cable structure

- Bare copper, extra fine wire conductors, to DIN VDE 0295 cl.6
- Core insulation of special PVC compound type T12 to DIN VDE 0207-363-3 / DIN EN 50363-3
- Cores colour coded to DIN 47100, see Technical Informations
- Cores stranded in layers with optimal selected lay-length
- Core wrapping with textile tape
- Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Colour grey (RAL 7001)
- with meter marking

## Properties

- Extensively oil resistant  
Chemical Resistance - see table Technical Informations
- Adhesion-low
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

## Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

## Application

The ideal cable for use in cable trays. This high flexible cable is ideal for all areas requiring a high and fast flexing cable including the machine industries, robotics and all areas of highly mobile machine parts. The long working life offers a secure performance as well as economy. For applications which go beyond standard solutions (for example for composting appliances or high shelf conveyors with extremely high processing speeds etc.) we recommend for our especially developed enquiry sheet for energy guiding systems. Before installation in cable trays please read the instructions. Further technical details see selection table for drag chain cables, see lead text.

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

| 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. |
|----------|--|-----------------|---------------------|---------------------|---------|
| 49550    | 2 x 0,14                               | 3,5             | 2,8                 | 23,0                | 26      |
| 49551    | 3 x 0,14                               | 3,7             | 4,1                 | 25,0                | 26      |
| 49552    | 4 x 0,14                               | 3,9             | 5,6                 | 30,0                | 26      |
| 49553    | 5 x 0,14                               | 4,2             | 7,0                 | 35,0                | 26      |
| 49554    | 7 x 0,14                               | 4,8             | 9,8                 | 49,0                | 26      |
| 49555    | 10 x 0,14                              | 6,2             | 14,0                | 64,0                | 26      |
| 49556    | 12 x 0,14                              | 6,3             | 16,8                | 71,0                | 26      |
| 49557    | 14 x 0,14                              | 6,6             | 19,6                | 77,0                | 26      |
| 49558    | 18 x 0,14                              | 7,2             | 25,2                | 90,0                | 26      |
| 49559    | 24 x 0,14                              | 8,5             | 33,6                | 119,0               | 26      |
| 49560    | 25 x 0,14                              | 8,6             | 35,0                | 124,0               | 26      |
| 49561    | 2 x 0,25                               | 4,2             | 5,0                 | 28,0                | 24      |
| 49562    | 3 x 0,25                               | 4,4             | 7,5                 | 33,0                | 24      |
| 49563    | 4 x 0,25                               | 4,7             | 10,0                | 39,0                | 24      |
| 49564    | 5 x 0,25                               | 5,6             | 12,5                | 50,0                | 24      |
| 49565    | 7 x 0,25                               | 6,1             | 17,5                | 63,0                | 24      |
| 49566    | 10 x 0,25                              | 7,2             | 25,0                | 83,0                | 24      |

| 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. |
|----------|--|-----------------|---------------------|---------------------|---------|
| 49567    | 12 x 0,25                              | 7,5             | 30,1                | 95,0                | 24      |
| 49568    | 14 x 0,25                              | 7,9             | 35,0                | 107,0               | 24      |
| 49569    | 18 x 0,25                              | 8,9             | 45,0                | 130,0               | 24      |
| 49570    | 24 x 0,25                              | 10,4            | 60,0                | 170,0               | 24      |
| 49571    | 25 x 0,25                              | 10,5            | 62,5                | 177,0               | 24      |
| 49572    | 2 x 0,34                               | 4,6             | 6,8                 | 33,0                | 22      |
| 49573    | 3 x 0,34                               | 4,8             | 10,2                | 42,0                | 22      |
| 49574    | 4 x 0,34                               | 5,2             | 13,6                | 56,0                | 22      |
| 49575    | 5 x 0,34                               | 6,1             | 17,0                | 64,0                | 22      |
| 49576    | 7 x 0,34                               | 7,0             | 23,8                | 84,0                | 22      |
| 49577    | 10 x 0,34                              | 8,4             | 34,0                | 116,0               | 22      |
| 49578    | 12 x 0,34                              | 8,5             | 40,8                | 133,0               | 22      |
| 49579    | 14 x 0,34                              | 9,0             | 47,6                | 150,0               | 22      |
| 49580    | 18 x 0,34                              | 10,1            | 61,2                | 182,0               | 22      |
| 49581    | 24 x 0,34                              | 12,0            | 81,5                | 240,0               | 22      |
| 49582    | 25 x 0,34                              | 12,2            | 85,0                | 250,0               | 22      |

Dimensions and specifications may be changed without prior notice. (RC03)