H05V2-K / H07V2-K  
**PVC-Single Cores, 90°C, heat-resistant**

### Technical data
- Special PVC single core with increased heat-resistance. H05V2-K / H07V2-K to 90 °C according to DIN VDE 0281 part 7 and HD 21.7 S2
- **Temperature range**
  - H05V2-K / H07V2-K flexing + 5 °C to + 90 °C
  - Fixed installation - 40 °C to + 90 °C
  - Short circuit allowable temperature + 160 °C
- **Nominal voltage**
  - H05V2-K: U 0/U 300/500 V
  - H07V2-K: U 0/U 450/750 V
- **Test voltage** 10 kV
- **Insulation resistance**
  - Min. 20 MΩ/m x km
- **Minimum bending radius**
  - Approx. 10-15x core ø
- **Radiation resistance**
  - Up to 80x10^6 C/J/kg (up to 80 Mrad)

### Cable structure
- Plain copper conductors to DIN VDE 0295, cl. 5. DIN EN 60228
- Wire marking according to DIN VDE 0281-1, (HD 21.1) numbered according to DIN VDE 0293
- Special heat-resistant core insulation up to + 90 °C. Heat-resistant TI3 to DIN VDE 0281 part 1 (HD 21.1).

### Properties
- Heat-resistant special PVC compound
- Not to be used in contact with objects higher than 85 °C
- PVC self-extinguishing and flame retardant according to DIN EN 60332-1-2
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

### Application
Therm insulated wires are ideal for use in power current installation, switch cabinets, motors and transformers which are subject to direct contact with high temperatures (e.g. varnishing machines and drying towers etc.). These are also suitable for inside wiring of electrical equipments such as lighting and heating apparatus. (UV exposure should be avoided).

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**Note**
- Please complete the part number for these cables by adding the suffix for the colour required as per the list:
  - 01 = black, RAL 9005
  - 02 = green/yellow, RAL 6018/1021
  - 03 = blue, RAL 5015
  - 04 = brown, RAL 8003
  - 05 = red, RAL 3000
  - 06 = white, RAL 1013
  - 07 = grey, RAL 7000
  - 08 = violet, RAL 4005
  - 09 = yellow, RAL 1021
  - 10 = pink, RAL 3015
  - 11 = green, RAL 6018
  - 12 = transparent
  - 13 = dark-blue, RAL 5015
  - 14 = orange, RAL 2003
  - Other colors on request

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**Coil in cardboard (100m)**

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**Coil in foil (100m)**

**Drum**

Dimensions and specifications may be changed without prior notice. (RK01)