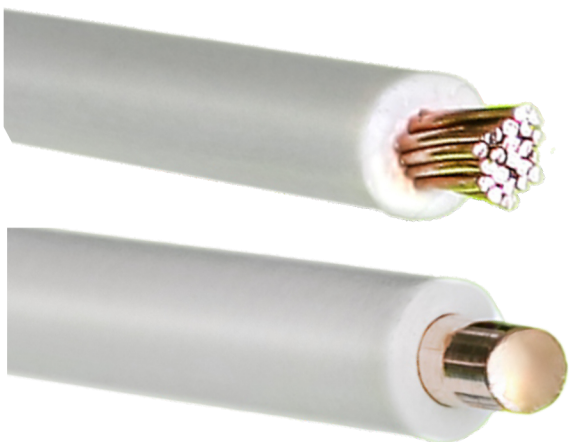




Single core PVC insulated non sheathed cables

**H05V2-U / H07V2-U**

**H05V2-K / H07V2-K**

For internal wiring of electric machines and equipments with higher operating temperature.

## Technical data

- manufactured acc. to HD 21.7 S2
- rated voltage  $U_0/U$ : for **H05V2-U** - 300 / 500 V; for **H07V2-U** - 450 / 750 V
- test voltage: for **H05V2-U** - 0.5 up to 1.0 mm<sup>2</sup> : 2 kV; for **H07V2-U** - 1.5 up to 10.0 mm<sup>2</sup> : 2.5 kV
- insulation resistance at 90 °C, min 1x10<sup>10</sup> Ω.cm
- maximum conductor temperature: + 90 °C
- max. conductor temperature at short circuit for 5 s : +160 °C
- temperature of environment: - 25 °C up to +60 °C
- minimum temperature during installation: - 5 °C
- minimum bending radius for: 10D (D - cable diameter)
- flame test: flame-retardant acc. to IEC 60332-1

## Cable design

- copper conductors class 1 according to IEC 60228
- insulation: PVC compound type TI3 according to HD 21.1

## Core identification

- yellow-green ,white, black, grey, blue, brown, red or other upon request

### Standard length cable packing

100 m in rings or on spools or in cardboard boxes.  
Other forms of packing and delivery are available on request

| Formation<br>n° x mm <sup>2</sup> | Ø<br>approx.<br>conductor<br>mm | Average<br>insulation<br>thickness<br>mm | Max.<br>external<br>Ø<br>mm | Max. electrical<br>resistance<br>at 20°C<br>Ω/km | Approx.<br>cable<br>weight<br>kg/km | Current rating<br>in pipe in air<br>at 30°C<br>A |
|-----------------------------------|---------------------------------|------------------------------------------|-----------------------------|--------------------------------------------------|-------------------------------------|--------------------------------------------------|
| 1 x 0,5                           | 0,9                             | 0,6                                      | 2,5                         | 39,0                                             | 9                                   | 3                                                |
| 1 x 0,75                          | 1,1                             | 0,6                                      | 2,7                         | 26,0                                             | 11                                  | 6                                                |
| 1 x 1                             | 1,3                             | 0,6                                      | 2,8                         | 19,5                                             | 14                                  | 10                                               |
| 1 x 1,5                           | 1,5                             | 0,7                                      | 3,4                         | 13,3                                             | 20                                  | 16                                               |
| 1 x 2,5                           | 2,0                             | 0,8                                      | 4,1                         | 7,98                                             | 31                                  | 20                                               |
| 1 x 4                             | 2,5                             | 0,8                                      | 4,8                         | 4,95                                             | 45                                  | 25                                               |
| 1 x 6                             | 3,0                             | 0,8                                      | 5,3                         | 3,30                                             | 65                                  | 36                                               |