



|                            |                            |
|----------------------------|----------------------------|
| <b>DATA SHEET</b>          | 4510xxx                    |
| <b>SINGLE CORE H05 V-K</b> | valid from :<br>12.01.2004 |

## Application

The single core H05 V-K is a flexible wiring cable for fixed installation in installation channels which can be opened as well as for internal wiring of devices and working funds.

## Design

|                 |   |
|-----------------|---|
| Conductor       | bare copper wire acc. to VDE 0295 class 5; HD 383 S2        |
| Core insulation | PVC compound TI1 acc. to VDE 0207 Part 4 respectively HD 21 |
| Core marking    | acc. to VDE 0293, HD 21                                     |

## Electrical properties at 20°

|                   |             |
|-------------------|-------------|
| Nom. voltage Uo/U | 300 / 500 V |
| Test voltage      | 2000 V      |

## Mechanical and thermal properties

|                            |  |
|----------------------------|--|
| Min. bending radius        | 6 x cable diameter   |
| Max. conductor temperature | + 70 °C  |
| Min. laying temperature    | + 5 °C   |
| Flame retardant            | in acc. to IEC 60 332.1 that is VDE 0482 part 265-2-1                |
| Tests                      | acc. to VDE 0281 Part 1, HD 21.3 passage 4 and 5 as well as VDE 0472 |

This cable is in compliance with VDE 0281 Part 1, resp. Harmonisation Regulation HD 21.3 S2, passage 4 and 5.

The use of wiring cables is regulated by the VDE 0298 Part 300, resp. the Harmonisation Regulation HD 516 S1.

EC directive: This cable confirms to ECD 72/23/EEC (low voltage directive.)

|                                 |                         |             |
|---------------------------------|-------------------------|-------------|
| elaborated by:<br>TE-K: M. Herb | Document: DB4510001_2EN | page 1 of 1 |
|---------------------------------|-------------------------|-------------|