

# 300/500V & 450/750V, 70°C/90°C SINGLE CORE PVC FLEXIBLE WIRE H05V-K / H05V2-K & H07V-K / H07V2-K



## APPLICATION

For indoor fixed installations in dry locations in electrical equipment, switchboards and distributors. Should be installed in surface mounted or embedded conduits, for protected fixed installations in or on lighting fittings. Suitable for installations in machines for nominal voltages up to 1.000 V alternating current or up to 750 V to earth direct current. Cannot be used for installations under the wall surface.

## CONSTRUCTION

Fine copper strands acc. to BS 6360, IEC 60228, VDE 0295, class 5

PVC insulation

Insulation Colour: Brown, Blue, Green/Yellow, Grey, Black

## TECHNICAL DATA

Rated voltage: H05V-K / H05V2-K 300/500V & H07V-K / H07V2-K 450/750

Test voltage: H05V-K / H05V2-K 2000 V & H07V-K / H07V2-K 2500 V

Temperature: 70°C for H05V-K & H07V-K and 90°C for H05V2-K & H07V2-K

Min. Bending radius: 4 X Ø (for OD ≤ 25mm)

6 X Ø (for OD > 25mm)

Reference standard: DIN VDE 0281 -3 HD 21.3 S3 and IEC 60227 -3 and IEC 60332-1

| No. of cores x<br>Nominal Area<br>(mm <sup>2</sup> ) | Outer diameter<br>approx.<br>(mm) | Cable Weight<br>Approx.<br>(kg/km) | No. of cores x<br>Nominal Area<br>(mm <sup>2</sup> ) | Outer diameter<br>approx.<br>(mm) | Cable Weight<br>Approx.<br>(kg/km) |
|------------------------------------------------------|-----------------------------------|------------------------------------|------------------------------------------------------|-----------------------------------|------------------------------------|
| H05V-K / H05V2-K                                     |                                   |                                    | 1x16                                                 | 6.7-8.2                           | 170                                |
| 1x0.50                                               | 2.1-2.6                           | 8                                  | 1x25                                                 | 8.4-10.3                          | 260                                |
| 1x0.75                                               | 2.2-2.8                           | 12                                 | 1x35                                                 | 9.7-11.8                          | 360                                |
| 1x1.00                                               | 2.4-2.9                           | 14                                 | 1x50                                                 | 11.5-13.9                         | 515                                |
| H07V-K / H07V2-K                                     |                                   |                                    | 1x70                                                 | 13.2-16.1                         | 710                                |
| 1x1.5                                                | 2.8-3.5                           | 20                                 | 1x95                                                 | 15.1-18.3                         | 940                                |
| 1x2.5                                                | 3.4-4.2                           | 32                                 | 1x120                                                | 16.7-20.3                         | 1180                               |
| 1x4                                                  | 3.9-4.9                           | 46                                 | 1x150                                                | 18.6-22.6                         | 1481                               |
| 1x6                                                  | 4.4-5.4                           | 65                                 | 1x185                                                | 25.0                              | 2040                               |
| 1x10                                                 | 5.7-6.9                           | 113                                | 1x240                                                | 27.0                              | 2620                               |