

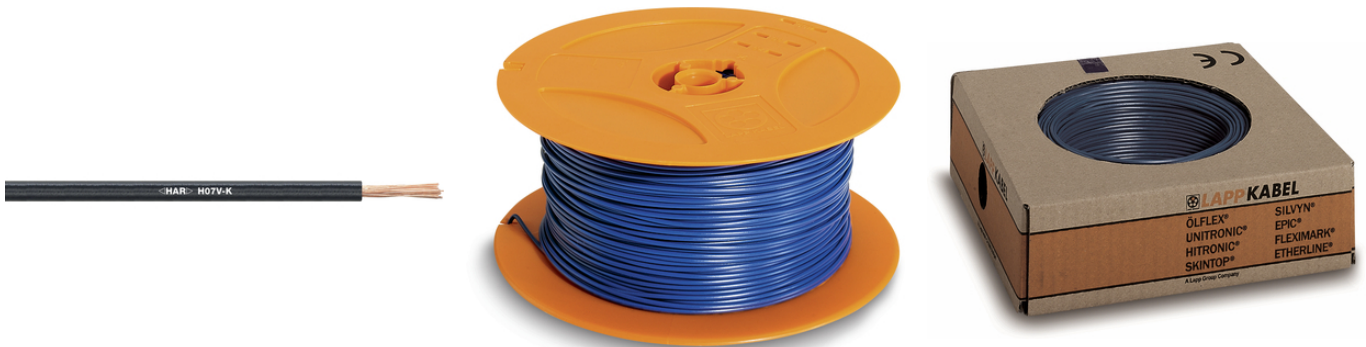
## H07V-K <HAR>

European <HAR> cable type certification

H07V-K, HAR, power and control cable, PVC, 450/750V, wiring of devices and control cabinets, flame-retardant, class 5/ fine wire, fixed installation, ring/spool

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)  
<HAR>



### Benefits

Cables' <HAR>marking also stands for the international endorsement of national certification institutes' testing marks and certificates, e. g. <VDE><HAR>. The <HAR>marking is of special importance in case of goods traffic between European countries.

### Application range

Laying in tubes, exposed or buried in plaster, and in closed installation ducts  
For direct laying on racks, troughs and tubes only as potential equalisation conductor

### Product features

Flame-retardant according IEC 60332-1-2  
Spool: d1 = 18 mm; d2 = 200 mm; b = 85 mm

### Norm references / Approvals

<HAR> cable type certification acc. EN 50525-2-31  
No cable type certified core insulation colours according to EN 50525-1/ VDE 0285-525-1: transparent, green (single colour), yellow (single colour), all double colours (except of green-yellow and yellow-green)

### Product Make-up

Fine-wired copper conductor of bare copper strands in line with conductor class 5 acc. IEC 60228  
Core insulation: Based on PVC

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**H07V-K <HAR>****Technical Data**

|                         |  |
|-------------------------|--|
| Classification:         | ETIM 5.0 Class-ID: EC000993<br>ETIM 5.0 Class-Description: Single core cable   |
| Conductor stranding:    | Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5   |
| Minimum bending radius: | According to EN 50565-1<br>OD ≤ 8 mm: 4 x OD*/2 x OD**;<br>8 < OD ≤ 12 mm: 5 x OD*/3 x OD**;<br>OD > 12 mm: 6 x OD*/4 x OD** |
| Nominal voltage:        | U0/U: 450/750 V  |
| Test voltage:           | 2500 V   |
| Current rating:         | VDE 0298 Part 4<br>EN 50565-1/ VDE 0298-565-1  |
| Temperature range:      | Fixed installation: -40°C to +80°C<br>Moved: +5°C to +70°C   |

**Note**

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Packaging size: Coil ≤ 30 kg, otherwise drum

Photographs are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

\*for conventional use, \*\*for careful bending; "OD" = outer diameter

The outer diameters stated in the part number table are maximum values.

**H07V-K <HAR>**

| Article number | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | Core colour       | m/ring | m/spool | Copper index (kg/km) | Weight (kg/km) |
|----------------|--|---------------------|-------------------|--------|---------|----------------------|----------------|
| 4520001S       | 1.5  | 2.8 - 3.4           | green/yellow      | -      | 150     | 14.4                 | 22             |
| 4520011S       | 1.5  | 2.8 - 3.4           | black             | -      | 150     | 14.4                 | 22             |
| 4520021S       | 1.5  | 2.8 - 3.4           | blue              | -      | 150     | 14.4                 | 22             |
| 4520141S       | 1.5  | 2.8 - 3.4           | dark blue         | -      | 150     | 14.4                 | 22             |
| 4520031S       | 1.5  | 2.8 - 3.4           | brown             | -      | 150     | 14.4                 | 22             |
| 4520041S       | 1.5  | 2.8 - 3.4           | red               | -      | 150     | 14.4                 | 22             |
| 4520051S       | 1.5  | 2.8 - 3.4           | white             | -      | 150     | 14.4                 | 22             |
| 4520061S       | 1.5  | 2.8 - 3.4           | grey              | -      | 150     | 14.4                 | 22             |
| 4520002S       | 2.5  | 3.4 - 4.1           | green/yellow      | -      | 100     | 24                   | 37             |
| 4520012S       | 2.5  | 3.4 - 4.1           | black             | -      | 100     | 24                   | 37             |
| 4520022S       | 2.5  | 3.4 - 4.1           | blue              | -      | 100     | 24                   | 37             |
| 4520142S       | 2.5  | 3.4 - 4.1           | dark blue         | -      | 100     | 24                   | 37             |
| 4520032S       | 2.5  | 3.4 - 4.1           | brown             | -      | 100     | 24                   | 37             |
| 4520042S       | 2.5  | 3.4 - 4.1           | red               | -      | 100     | 24                   | 37             |
| 4520052S       | 2.5  | 3.4 - 4.1           | white             | -      | 100     | 24                   | 37             |
| 4520062S       | 2.5  | 3.4 - 4.1           | grey              | -      | 100     | 24                   | 37             |
| 4520001        | 1.5  | 2.8 - 3.4           | green/yellow      | 100    | -       | 14.4                 | 22             |
| 4520011        | 1.5  | 2.8 - 3.4           | black             | 100    | -       | 14.4                 | 22             |
| 4520021        | 1.5  | 2.8 - 3.4           | blue              | 100    | -       | 14.4                 | 22             |
| 4520141        | 1.5  | 2.8 - 3.4           | dark blue         | 100    | -       | 14.4                 | 22             |
| 4520031        | 1.5  | 2.8 - 3.4           | brown             | 100    | -       | 14.4                 | 22             |
| 4520111        | 1.5  | 2.8 - 3.4           | yellow            | 100    | -       | 14.4                 | 22             |
| 4520121        | 1.5  | 2.8 - 3.4           | green             | 100    | -       | 14.4                 | 22             |
| 4520071        | 1.5  | 2.8 - 3.4           | violet            | 100    | -       | 14.4                 | 22             |
| 4520041        | 1.5  | 2.8 - 3.4           | red               | 100    | -       | 14.4                 | 22             |
| 4520051        | 1.5  | 2.8 - 3.4           | white             | 100    | -       | 14.4                 | 22             |
| 4520061        | 1.5  | 2.8 - 3.4           | grey              | 100    | -       | 14.4                 | 22             |
| 4520161        | 1.5  | 2.8 - 3.4           | ultra-marine blue | 100    | -       | 14.4                 | 22             |
| 4520091        | 1.5  | 2.8 - 3.4           | orange            | 100    | -       | 14.4                 | 22             |
| 4520002        | 2.5  | 3.4 - 4.1           | green/yellow      | 100    | -       | 24                   | 37             |
| 4520012        | 2.5  | 3.4 - 4.1           | black             | 100    | -       | 24                   | 37             |
| 4520022        | 2.5  | 3.4 - 4.1           | blue              | 100    | -       | 24                   | 37             |
| 4520142        | 2.5  | 3.4 - 4.1           | dark blue         | 100    | -       | 24                   | 37             |
| 4520032        | 2.5  | 3.4 - 4.1           | brown             | 100    | -       | 24                   | 37             |

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**H07V-K <HAR>**

| Article number | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | Core colour       | m/ring | m/spool | Copper index (kg/km) | Weight (kg/km) |
|----------------|--|---------------------|-------------------|--------|---------|----------------------|----------------|
| 4520112        | 2.5  | 3.4 - 4.1           | yellow            | 100    | -       | 24                   | 37             |
| 4520122        | 2.5  | 3.4 - 4.1           | green             | 100    | -       | 24                   | 37             |
| 4520072        | 2.5  | 3.4 - 4.1           | violet            | 100    | -       | 24                   | 37             |
| 4520042        | 2.5  | 3.4 - 4.1           | red               | 100    | -       | 24                   | 37             |
| 4520052        | 2.5  | 3.4 - 4.1           | white             | 100    | -       | 24                   | 37             |
| 4520062        | 2.5  | 3.4 - 4.1           | grey              | 100    | -       | 24                   | 37             |
| 4520162        | 2.5  | 3.4 - 4.1           | ultra-marine blue | 100    | -       | 24                   | 37             |
| 4520092        | 2.5  | 3.4 - 4.1           | orange            | 100    | -       | 24                   | 37             |
| 4520003        | 4  | 3.9 - 4.8           | green/yellow      | 100    | -       | 38.4                 | 45             |
| 4520013        | 4  | 3.9 - 4.8           | black             | 100    | -       | 38.4                 | 45             |
| 4520023        | 4  | 3.9 - 4.8           | blue              | 100    | -       | 38.4                 | 45             |
| 4520143        | 4  | 3.9 - 4.8           | dark blue         | 100    | -       | 38.4                 | 45             |
| 4520033        | 4  | 3.9 - 4.8           | brown             | 100    | -       | 38.4                 | 45             |
| 4520113        | 4  | 3.9 - 4.8           | yellow            | 100    | -       | 38.4                 | 45             |
| 4520123        | 4  | 3.9 - 4.8           | green             | 100    | -       | 38.4                 | 45             |
| 4520043        | 4  | 3.9 - 4.8           | red               | 100    | -       | 38.4                 | 45             |
| 4520053        | 4  | 3.9 - 4.8           | white             | 100    | -       | 38.4                 | 45             |
| 4520063        | 4  | 3.9 - 4.8           | grey              | 100    | -       | 38.4                 | 45             |
| 4520163        | 4  | 3.9 - 4.8           | ultra-marine blue | 100    | -       | 38.4                 | 45             |
| 4520093        | 4  | 3.9 - 4.8           | orange            | 100    | -       | 38.4                 | 45             |
| 4520004        | 6  | 4.4 - 5.3           | green/yellow      | 100    | -       | 57.6                 | 71             |
| 4520014        | 6  | 4.4 - 5.3           | black             | 100    | -       | 57.6                 | 71             |
| 4520024        | 6  | 4.4 - 5.3           | blue              | 100    | -       | 57.6                 | 71             |
| 4520144        | 6  | 4.4 - 5.3           | dark blue         | 100    | -       | 57.6                 | 71             |
| 4520034        | 6  | 4.4 - 5.3           | brown             | 100    | -       | 57.6                 | 71             |
| 4520114        | 6  | 4.4 - 5.3           | yellow            | 100    | -       | 57.6                 | 71             |
| 4520124        | 6  | 4.4 - 5.3           | green             | 100    | -       | 57.6                 | 71             |
| 4520074        | 6  | 4.4 - 5.3           | violet            | 100    | -       | 57.6                 | 71             |
| 4520094        | 6  | 4.4 - 5.3           | orange            | 100    | -       | 57.6                 | 71             |
| 4520044        | 6  | 4.4 - 5.3           | red               | 100    | -       | 57.6                 | 71             |
| 4520054        | 6  | 4.4 - 5.3           | white             | 100    | -       | 57.6                 | 71             |
| 4520064        | 6  | 4.4 - 5.3           | grey              | 100    | -       | 57.6                 | 71             |
| 4520164        | 6  | 4.4 - 5.3           | ultra-marine blue | 100    | -       | 57.6                 | 71             |
| 4520005        | 10   | 5.7 - 6.8           | green/yellow      | 100    | -       | 96                   | 120            |

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|----------------|--|---------------------|--------------|--------|---------|----------------------|----------------|
| 4520015        | 10   | 5.7 - 6.8           | black        | 100    | -       | 96                   | 120            |
| 4520025        | 10   | 5.7 - 6.8           | blue         | 100    | -       | 96                   | 120            |
| 4520145        | 10   | 5.7 - 6.8           | dark blue    | 100    | -       | 96                   | 120            |
| 4520035        | 10   | 5.7 - 6.8           | brown        | 100    | -       | 96                   | 120            |
| 4520095        | 10   | 5.7 - 6.8           | orange       | 100    | -       | 96                   | 120            |
| 4520045        | 10   | 5.7 - 6.8           | red          | 100    | -       | 96                   | 120            |
| 4520055        | 10   | 5.7 - 6.8           | white        | 100    | -       | 96                   | 120            |
| 4520065        | 10   | 5.7 - 6.8           | grey         | 100    | -       | 96                   | 120            |
| 4520006        | 16   | 6.7 - 8.1           | green/yellow | -      | -       | 153.6                | 187            |
| 4520016        | 16   | 6.7 - 8.1           | black        | -      | -       | 153.6                | 187            |
| 4520026        | 16   | 6.7 - 8.1           | blue         | -      | -       | 153.6                | 187            |
| 4520146        | 16   | 6.7 - 8.1           | dark blue    | -      | -       | 153.6                | 187            |
| 4520036        | 16   | 6.7 - 8.1           | brown        | -      | -       | 153.6                | 187            |
| 4520126        | 16   | 6.7 - 8.1           | green        | -      | -       | 153.6                | 187            |
| 4520096        | 16   | 6.7 - 8.1           | orange       | -      | -       | 153.6                | 187            |
| 4520046        | 16   | 6.7 - 8.1           | red          | -      | -       | 153.6                | 187            |
| 4520056        | 16   | 6.7 - 8.1           | white        | -      | -       | 153.6                | 187            |
| 4520066        | 16   | 6.7 - 8.1           | grey         | -      | -       | 153.6                | 187            |
| 4521001        | 25   | 8.4 - 10.2          | green/yellow | -      | -       | 240                  | 290            |
| 4521011        | 25   | 8.4 - 10.2          | black        | -      | -       | 240                  | 290            |
| 4521021        | 25   | 8.4 - 10.2          | blue         | -      | -       | 240                  | 290            |
| 4521031        | 25   | 8.4 - 10.2          | brown        | -      | -       | 240                  | 290            |
| 4521091        | 25   | 8.4 - 10.2          | orange       | -      | -       | 240                  | 290            |
| 4521041        | 25   | 8.4 - 10.2          | red          | -      | -       | 240                  | 290            |
| 4521002        | 35   | 9.7 - 11.7          | green/yellow | -      | -       | 336                  | 399            |
| 4521012        | 35   | 9.7 - 11.7          | black        | -      | -       | 336                  | 399            |
| 4521022        | 35   | 9.7 - 11.7          | blue         | -      | -       | 336                  | 399            |
| 4521032        | 35   | 9.7 - 11.7          | brown        | -      | -       | 336                  | 399            |
| 4521042        | 35   | 9.7 - 11.7          | red          | -      | -       | 336                  | 399            |
| 4521092        | 35   | 9.7 - 11.7          | orange       | -      | -       | 336                  | 399            |
| 4521062        | 35   | 9.7 - 11.7          | grey         | -      | -       | 336                  | 399            |
| 4521003        | 50   | 11.5 - 13.9         | green/yellow | -      | -       | 480                  | 559            |
| 4521013        | 50   | 11.5 - 13.9         | black        | -      | -       | 480                  | 559            |
| 4521023        | 50   | 11.5 - 13.9         | blue         | -      | -       | 480                  | 559            |

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| Article number | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | Core colour  | m/ring | m/spool | Copper index (kg/km) | Weight (kg/km) |
|----------------|--|---------------------|--------------|--------|---------|----------------------|----------------|
| 4521043        | 50   | 11.5 - 13.9         | red          | -      | -       | 480                  | 559            |
| 4521004        | 70   | 13.2 - 16           | green/yellow | -      | -       | 672                  | 776            |
| 4521014        | 70   | 13.2 - 16           | black        | -      | -       | 672                  | 776            |
| 4521024        | 70   | 13.2 - 16           | blue         | -      | -       | 672                  | 776            |
| 4521044        | 70   | 13.2 - 16           | red          | -      | -       | 672                  | 776            |
| 4521005        | 95   | 15.1 - 18.2         | green/yellow | -      | -       | 912                  | 1031           |
| 4521015        | 95   | 15.1 - 18.2         | black        | -      | -       | 912                  | 1031           |
| 4521025        | 95   | 15.1 - 18.2         | blue         | -      | -       | 912                  | 1031           |
| 4521006        | 120  | 16.7 - 20.2         | green/yellow | -      | -       | 1152                 | 1285           |
| 4521016        | 120  | 16.7 - 20.2         | black        | -      | -       | 1152                 | 1285           |
| 4521007        | 150  | 18.6 - 22.5         | green/yellow | -      | -       | 1440                 | 1563           |
| 4521017        | 150  | 18.6 - 22.5         | black        | -      | -       | 1440                 | 1563           |
| 4521008        | 185  | 20.6 - 24.9         | green/yellow | -      | -       | 1776                 | 1915           |
| 4521018        | 185  | 20.6 - 24.9         | black        | -      | -       | 1776                 | 1915           |
| 4521009        | 240  | 23.5 - 28.4         | green/yellow | -      | -       | 2304                 | 2550           |
| 4521019        | 240  | 23.5 - 28.4         | black        | -      | -       | 2304                 | 2550           |

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