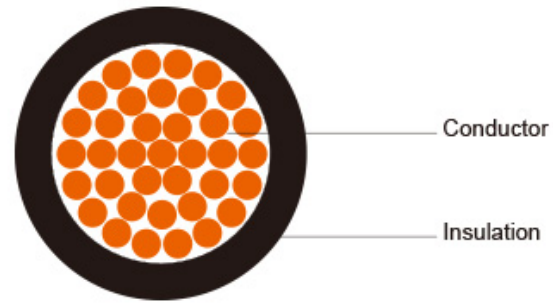


**German Standard Industrial Cables H07V-K**



**Application and Description**

These are not suitable to be installed for laying in tubes, under and surface mounting of plaster and also in closed installation conduits.

These are not allowed to install for direct laying on cable trays, channel or tanks. These types are permitted for the inner wiring of equipment, distributor and switchboards and also for protective laying to the lightings with a nominal voltage up to 1000 V alternating current or up to 750 V direct current against earth.

**Standard and Approval**

NF C 32-201-3

CE Low Voltage Directive 73/23/EEC and 93/68/EEC

ROHS compliant

**Cable Construction**

Fine bare copper strands

Strands to VDE-0295 Class-5, IEC 60228 Class-5

Special PVC T11 core insulation

Cores to VDE-0293 colors on chart

**Technical Characteristics**

WORKING VOLTAGE: 450/750V

TEST VOLTAGE: 2500 volts

FLEXING BENDING RADIUS: 12.5 x Ø

STATIC BENDING RADIUS: 12.5 x Ø

FLEXING TEMPERATURE: -5° C to +70° C

STATIC TEMPERATURE: -30° C to +80° C

SHORT CIRCUIT TEMPERATURE: +160° C

FLAME RETARDANT: NF C 32-070

INSULATION RESISTANCE: 10 MΩ x km

**Cable Parameter**

| AWG        | NO. OF CORES X<br>NOMINAL CROSS<br>SECTIONAL AREA | NOMINAL<br>THICKNESS OF<br>INSULATION | NOMINAL<br>OVERALL<br>DIAMETER | NOMINAL<br>COPPER<br>WEIGHT | NOMINAL<br>WEIGHT |
|------------|---|---------------------------------------|--------------------------------|-----------------------------|-------------------|
|            | # X MM <sup>2</sup>                               | MM                                    | MM                             | KG/KM                       | KG/KM             |
| 16(30/30)  | 1 x 1.5   | 0,7                                   | 3.1                            | 14.4                        | 20                |
| 14(50/30)  | 1 x 2.5   | 0,8                                   | 3.6                            | 24.0                        | 31                |
| 12(56/28)  | 1 x 4   | 0,8                                   | 4.3                            | 38.0                        | 48                |
| 10(84/28)  | 1 x 6   | 0,8                                   | 4.9                            | 58.0                        | 69                |
| 8(80/26)   | 1 x 10  | 1,0                                   | 6.4                            | 96.0                        | 121               |
| 6(128/26)  | 1 x 16  | 1,0                                   | 8.1                            | 154.0                       | 211               |
| 4(200/26)  | 1 x 25  | 1,2                                   | 9.8                            | 240                         | 303               |
| 2 (280/26) | 1 x 35  | 1,2                                   | 11.1                           | 336                         | 417               |

|                  |         |     |      |      |      |
|------------------|---------|-----|------|------|------|
| 1 (400/26)       | 1 x 50  | 1,4 | 13.1 | 480  | 539  |
| 2/0 (356/24)     | 1 x 70  | 1,4 | 15.5 | 672  | 730  |
| 3/0 (485/24)     | 1 x 95  | 1,6 | 17.2 | 912  | 900  |
| 4/0 (614/24)     | 1 x 120 | 1,6 | 19.7 | 1152 | 1135 |
| 300 MCM (765/24) | 1 x 150 | 1,8 | 21.3 | 1440 | 1410 |
| 350 MCM (944/24) | 1 x 185 | 2,0 | 23.4 | 1776 | 1845 |
| 500MCM(1225/24)  | 1 x 240 | 2,2 | 27.1 | 2304 | 2270 |