



**Nexans Ref.:** 11183540-022-02

**Country Ref.:** 7330000121898

**EAN 13:** 7330000121898

### FIRE PERFORMANCE CLASS



E<sub>ca</sub>

The cable is intended to be used for inside couplings in switch cabinet boxes and similar applications.

### STANDARDS

**Product** EN 50525-2-31

### DESCRIPTION

H07V2-K is a lead free, PVC insulated, connecting cable with one circular, multi stranded copper conductor. The cable is designed according to EN 50525-2-31. The conductor has resistance according to EN 60228 class 5. The insulation is marked "NEXANS GS H07V2-K 0,75 SEMKO (HAR) E". H07V2-K meets the requirements for CPR class E.

### Certification

Certifeid by INTERTEK SEMKO.

### Quality system

Certified according to ISO 9001, ISO/TS 16949 and ISO 14001.



Conductor flexibility  
Class 5



Rated Voltage U<sub>o</sub>/U (Um)  
450/750 V



Operating temp.  
0 ... 90 °C



Flame retardant  
IEC 60332-1



Halogen free  
No

### CHARACTERISTICS

#### Construction characteristics

|                       |                |
|-----------------------|----------------|
| Colour                | Yellow / green |
| Conductor material    | Bare copper    |
| Insulation            | PVC            |
| Conductor flexibility | Class 5        |
| Conductor shape       | Circular       |

#### Dimensional characteristics

|                                  |                   |
|----------------------------------|-------------------|
| Number of cores                  | 1                 |
| Conductor cross-section          | 4 mm <sup>2</sup> |
| Number of core wires (nb x mm Ø) | 48 x 0.31 mm Ø    |
| Conductor diameter               | 2.5 mm            |
| Average insulation thickness     | 0.8 mm            |
| Nominal outer diameter           | 4.05 mm           |
| Approximate weight               | 45 kg/km          |

#### Electrical characteristics

|                                                   |             |
|---------------------------------------------------|-------------|
| Max. DC resistance of the conductor at 20°C       | 4.95 Ohm/km |
| Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> ) | 450/750 V   |

#### Usage characteristics

|                               |             |
|-------------------------------|-------------|
| Length                        | 100 m       |
| Packaging                     | Ring        |
| Operating temperature, range  | 0 ... 90 °C |
| Bending factor when installed | 4 (xD)      |

#### Fire safety characteristics

|                 |             |
|-----------------|-------------|
| Flame retardant | IEC 60332-1 |
| Halogen free    | No          |

### SELLING AND DELIVERY INFORMATION

H07V2-K is delivered in specified lengths. The package is marked with manufacturer, type of cable, length and manufacturing date. On the label on boxes upon request also the customer item number and/or order number.