



### H05V-K

#### Application and Description

These insulated wires are determined for installation to the inside of apparatus as well as for the protective laying to the lightings, in dry rooms, in production facilities, switch and distributors boards, in tubes, under and surface mounting of plasters.

#### Standard and Approval

CEI 20-20/3, CEI 20-35 (EN60332-1), CEI 20-52, HD 21.3 S3  
 CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

#### Cable Construction

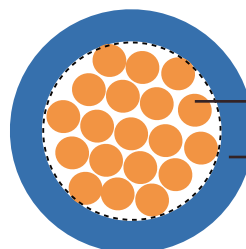
- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- Special PVC TI1 core insulation
- Cores to VDE-0293 colors on chart

#### Technical Characteristics

- Working voltage: 300/500v
- Test voltage: 2000 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
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km



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Bare copper conductor

PVC insulation

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#### Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Weight kg/km
20(16/32)	1 x 0.5	0,6	2.1	4.9	10
18(24/32)	1 x 0.75	0,6	2.4	7.2	13
17(32/32)	1 x 1	0,6	2.6	9.6	15