

## **PVC insulated, non-sheathed, heat resisting cable for internal wiring, single core and twisted twin <sup>a</sup>, 300/500 V**

### **Application:**

- In dry rooms, apparatus switch and distribution boards, for fixed installation in conduits, over and under plaster and on insulated supports over plaster. Direct laying in plaster is not permitted.
- Minimum bending radius: 4 times of maximum overall diameter.

### **Standard:**

- ISIRI (607)07
- ISIRI (607)08
- IEC (60227)07
- IEC (60227)08
- BS 6004
- HD 21

### **Construction:**

- Annealed copper conductor, class 1, 2 & 5.
- PVC insulation, type E.
- Harmonized code designation:  
solid conductor: H05V2-U, stranded conductor: H05V2-R & flexible conductor: H05V2-K.

### **General specification:**

- Rated voltage: 300/500 V.
- Working temperature: Max. 90°C.

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Mean Overall diameter	Insulation resistance at 90°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm <sup>2</sup>	mm	mm	mm	MΩ.km	kg/km	Ω/km
0.5	1 x 0.8	0.6	2.3	0.015	9	36.0
0.75	1 x 0.98	0.6	2.5	0.013	11	24.5
1	1 x 1.13	0.6	2.7	0.012	15	18.1
1.5	1 x 1.38	0.7	3.2	0.011	21	12.1
2.5	1 x 1.78	0.8	3.9	0.009	31	7.41
0.5	7 x 0.31	0.6	2.4	0.014	10	36.0
0.75	7 x 0.37	0.6	2.6	0.012	14	24.5
1	7 x 0.43	0.6	2.8	0.011	17.5	18.1
0.5	16 x 0.20	0.6	2.5	0.013	9	39.0

<b>0.75</b>	<b>24 x 0.20</b>	<b>0.6</b>	<b>2.7</b>	<b>0.012</b>	<b>12</b>	<b>26.0</b>
<b>1</b>	<b>32 x 0.20</b>	<b>0.6</b>	<b>2.8</b>	<b>0.010</b>	<b>15</b>	<b>19.5</b>
<b>1.5</b>	<b>30 x 0.25</b>	<b>0.7</b>	<b>3.4</b>	<b>0.009</b>	<b>21</b>	<b>13.3</b>
<b>2.5</b>	<b>50 x 0.25</b>	<b>0.8</b>	<b>4.1</b>	<b>0.009</b>	<b>33</b>	<b>7.98</b>

<sup>a</sup> It is comprises two HO5V2-K cables twisted together.