



**Cu/PVC  
300/500V  
H05V-U**

**DESCRIPTION:**

Single-core non-sheathed cables with rigid conductor for general purposes

**CABLE STRUCTURE:**

**Conductor:**

Plain circular solid copper conductor, conform to IEC 60228 class 1

**Insulation:**

PVC/C

**CODE DESIGNATION:**

60227 IEC 03 (International),  
BV, H05V-U, 300/500V(China),  
NYA

**APPLICATION:**

For installation in electrical conduits, on and under plaster, but only for signal and control circuits. Suitable for protected and fixed installation in appliances and luminaires. Used as fixed wiring cable of rated voltage 300/500V.

**TECHNICAL DATA:**

**Rated voltage:**

300/500 V

**Max.Conductor Temp.in normal use:**

70°C

**Min.Bending Radius:**

4 × cable O.D

**STANDARD:**

**International:**

IEC 60227

**European standard:**

EN 50525-2-31, EN 60228,

Flame Retardant according to IEC/EN 60332-1-2

**China:**

GB/T 5023-2008

**Other standards**

such as BS, DIN and ICEA upon request

**CERTIFICATES:**

We hold SAA, CE, TUV and CCC certifications for our product categories. Additionally, we possess other authoritative certifications recognized in various countries and regions. For further details on our certification portfolio, please do not hesitate to contact us.







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Specifications

| Nom.Cross-<br>section Area | Insulation<br>Thickness | Mean.O.D.   |             | Insulation Min.<br>Resistance at<br>90℃ | Conductor Max.<br>Resistance at<br>20℃ | Approx.Weight |
|----------------------------|-------------------------|-------------|-------------|-----------------------------------------|----------------------------------------|---------------|
|                            |                         | Lower Limit | Upper Limit |                                         |                                        |               |
| mm <sup>2</sup>            | mm                      | mm          | mm          | MΩ/km                                   | Ω/km                                   | kg/km         |
| 05                         | 0.6                     | 1.9         | 2.3         | 0.015                                   | 8.5                                    | 36.0          |
| 0.75                       | 0.6                     | 2.1         | 2.5         | 0.012                                   | 11.1                                   | 24.5          |
| 1                          | 0.6                     | 2.2         | 2.7         | 0.011                                   | 13.9                                   | 18.1          |