

## Fire-retardant PVC rigid single core cable

# H05V-U

CEI 20-20/3  
CENELEC HD 21.3  
Direttiva Bassa tensione 2006/95/CE  
Direttiva RoHS 2011/65/CE

IEMMEQU ◁ HAR ▷



### Construction features

Red copper single wire conductor; PVC insulation in TI1 quality

### Marking

Embossing on the insulator  
IRCE IEMMEQU ◁ HAR ▷ H05V-U <section><year>

### Application

Suitable for fixed laying inside the equipments (also lighting equipments), the pipes and the surface-mounted or embedded conduits, only for notification and control circuits.

Not suitable for external laying.

### Warning

Capacities are calculated on a conductor of 3-4 cables with only 3 active conductors.



**Nominal voltage:**  
 $U_0/U = 300/500V$



**Minimum bending radius:**  
6 x external diameter



**Operating temperature:**  
70° C



**Tractive effort in laying:**  
50 N/mm<sup>2</sup> of copper section  
maximum



**Short circuit temperature:**  
160° C



**Laying temperature:**  
5° C minimum

Number of cores and nominal cross sectional area n° x mm <sup>2</sup>	Conductor wires maximum diameter mm	Insulator medium thickness mm	Maximum external diameter mm	Cable approximate weight kg / km	Maximum resistance at 20° C Ohm / km	Current capacity at 30° C (A) in air or pipe
1 x 0,50	0,90	0,60	2,30	8,1	36,00	8,0
1 x 0,75	1,00	0,60	2,50	10,9	24,50	10,0
1 x 1,00	1,10	0,60	2,70	13,6	18,10	12,0