

## H05V2-U

PVC cables

Single core non-sheathed cables for internal wiring.



### Technical data

Nominal voltage	300/500 V
Applications/Usage conditions	Installation inside appliances and in lighting fittings and where the maximum conductor temperature in normal use of 90 °C. is not exceeded.
Conductor	Solid red copper
Insulation type	TI3 (EN 50363-3)
Sheath colour	On demand (one or two colours)
Operating temperatures	+5° C   +90° C
Short circuit temperature	160° C on the conductor (max 5 sec.)
Test voltage	2000 V
Cable markings	ELETTRO BRESCIA IEMMEQU <HAR> H05V2-U
Minimum bending radius	4 times the max outer diameter.

### Standard references

Main standard	EN 50525-2-31
Conductor	EN 60228; IEC 60228
Self-Extinguishing	EN 60332-1-2; IEC 60332-1-2

### Dimensions

Cross section (Nxmm <sup>2</sup> )	Wires max diameter (mm)	Conductor diameter (mm)	Core thickness (mm)	Core diameter ± 0,1 (mm)	Sheath thickness (mm)	Medium min outer diameter (mm)	Medium max outer diameter (mm)	Electrical resistance at 20° C (Ω/km)	Cable approx. weight (kg/km)	Cu factor (Kg/km)
1x0,50	0,800	0,80	0,60	N/A	N/A	1,9	2,3	36,0000	8,00	4,80
1x0,75	1,000	1,00	0,60	N/A	N/A	2,1	2,5	24,5000	11,00	7,20
1x1,00	1,130	1,13	0,60	N/A	N/A	2,2	2,7	18,1000	14,00	9,60

Please refer to the standard series EN 50565 as guide to use for cables with a rated voltage not exceeding 450/750 V - (U0/U) and CEI 20-92 as guide for the handling and warehousing of wooden drums for electric cables.