

H05V2-U

PVC cables

Single core non-sheathed cables for internal wiring.



## TECHNICAL DATA

Nominal tension	300/500 V
Conditions of employment	Installation inside appliances and in lighting fittings and where the maximum conductor temperature in normal use of 90 °C. is not exceeded.
Type of electrical conductor	Solid red copper
Type of insulation	T13 (EN 50363-3)
Color of the outer sheath	On demand (one or two colours)
Operating temperature	+5° C   +90° C
Short circuit temperature	+160° C on the conductor (max 5 sec.)
Test voltage	2000 V
Cable marking	ELETTRO BRESCIA IEMMEQU <HAR> H05V2-U
Minimum radius of curvature	4 times the max outer diameter.

## REFERENCES STANDARDS

Main rule	EN 50525-2-31
Conductor	EN 60228; IEC 60228
Self-extinguishing	EN 60332-1-2; IEC 60332-1-2

## DIMENSIONS

Nominal section	Wires max diameter	Conductor diameter	Insulation thickness	Insulation diameter $\pm$ 0,1	Minimum average external diameter	Medium outer diameter $\pm$ 0,2	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	( $\Omega$ /km)	(kg/km)	(kg/km)
1x0,50	0,80	0,80	0,60	N/A	N/A	2,1	36,0000	8,00	4,8000
1x0,75	1,00	1,00	0,60	N/A	N/A	2,3	24,5000	11,00	7,2000
1x1,00	1,13	1,13	0,60	N/A	N/A	2,4	18,1000	14,00	9,6000

## CORES IDENTIFICATION

Cores number	Insulation colour sequence
1	NA

Refer to the CEI EN 50565 standard series as a guide to the use of cables with nominal voltage not exceeding 450/750 V (U0/U) and to the CEI 20-92 standard as a guide for the handling and storage of wooden reels for cables electrical.

Elettrobrescia S.r.l. - Via Bulloni 36 - 25050 - Camignone di Passirano (Bs) - Tel, +39 030 6850663 Fax +39 030 6850444 email: [info@elettrobrescia.it](mailto:info@elettrobrescia.it)