

H05V2V2H2-F

PVC cables

Ordinary duty heat-resistant PVC sheathed cable for maximum conductor temperature of 90° C.



TECHNICAL DATA

Nominal tension	300/500 V
Conditions of employment	Use in domestic premises and offices, for ordinary duty applications and household appliances, including in damp premises; use in high ambient temperatures and internal use in equipment where there is no risk of contact with hot parts; use outdoors for temporary periods of short duration.
Type of electrical conductor	Flexible red copper
Type of insulation	TI3 (EN 50363-3)
Type of outer sheath	TM3 (EN 50363-4-1)
Color of the outer sheath	Black, white, grey
Operating temperature	+5° C +90° C
Short circuit temperature	+150° C on the conductor (max 5 sec.)
Test voltage	2000 V
Cable marking	ELETTROROBRESCIA IEMMEQU <HAR> H05V2V2H2-F
Minimum radius of curvature	5 times the max outer diameter in mobile laying, 3 times in fixed laying.

REFERENCES STANDARDS

Main rule	EN 50525-2-11
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 min outer diameter	Medium max outer diameter	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω /km)	(kg/km)	(kg/km)
2x0,75	0,21	1,05	0,60	N/A	0,80	3,7x6,0	4,5x7,2	26,0000	41,00	14,4000
2x1,00	0,21	1,21	0,60	N/A	0,80	3,9x6,2	4,7x7,5	19,5000	56,00	19,2000
2x1,50	0,21	1,44	0,70	N/A	0,80	4,2x7,0	5,2x8,6	13,3000	N/A	28,8000

CORES IDENTIFICATION

Cores number	Insulation colour sequence
2	Blue-Brown

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.

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