

H03V2V2-F

PVC cables

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



TECHNICAL DATA

Nominal tension	300/300 V
Conditions of employment	Use in domestic premises, kitchens and offices, for light duty applications and light portable appliances; use in high ambient temperatures and internal use in equipment where there is no risk of contact with hot parts.
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> H03V2V2-F
Minimum radius of curvature	5 times the max outer diameter in case of mobile laying. 3 times the max outer diameter in case of 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	Diametro isolamento $\pm 0,1$	Minimum average external diameter	Medium outer diameter $\pm 0,2$	Electrical resistance 20°C	Approximate weight	Fattore CU
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω /km)	(kg/km)	(kg/km)
2x0,50	0,21	0,86	0,50	N/A	0,60	5,2	39,0000	39,00	9,6000
2x0,75	0,21	1,05	0,50	N/A	0,60	5,6	26,0000	49,00	14,4000
3G0,50	0,21	0,86	0,50	N/A	0,60	5,5	39,0000	49,00	14,4000
3G0,75	0,21	1,05	0,50	N/A	0,60	5,9	26,0000	59,00	21,6000
4G0,50	0,21	0,86	0,50	N/A	0,60	6,0	39,0000	57,00	19,2000
4G0,75	0,21	1,05	0,50	N/A	0,60	6,5	26,0000	74,00	28,8000

CORES IDENTIFICATION

Cores number	Insulation colour sequence
2	Blue-Brown
3	Yellow/Green-Blue-Brown
4	Yellow/Green-Blue-Brown-Black / Yellow/Green-Brown-Black-Grey

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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