

# H03V2V2-F

PVC cables

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



## Technical data

Nominal voltage	300/300 V
Applications/Usage conditions	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.
Conductor	Flexible red copper
Insulation type	TI3 (EN 50363-3)
Sheath type	TM3 (EN 50363-4-1)
Sheath colour	Black, white, grey
Operating temperatures	+5° C   +90° C
Short circuit temperature	150° C on the conductor (max 5 sec.)
Test voltage	2000 V
Cable markings	ELETTRO BRESCIA IEMMEQU <HAR> H03V2V2-F
Minimum bending radius	5 times the max outer diameter in case of mobile laying. 3 times the max outer diameter in case of fixed laying.

## Standard references

Main standard	EN 50525-2-11
Conductor	EN 60228; IEC 60228
Self-Extinguishing	EN 60332-1-2; IEC 60332-1-2

## Dimensions

Cross section	Wires max diameter	Conductor diameter	Core thickness	Core diameter ± 0,1	Sheath thickness	Medium min outer diameter	Medium max outer diameter	Electrical resistance at 20° C	Cable approx. weight	Cu factor
(Nxmm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)	(Kg/km)
2x0,50	0,210	0,87	0,50	N/A	0,60	4,6	5,9	39,0000	39,00	9,60
2x0,75	0,210	1,07	0,50	N/A	0,60	4,9	6,3	26,0000	49,00	14,40
3G0,50	0,210	0,87	0,50	N/A	0,60	4,9	6,3	39,0000	49,00	14,40
3G0,75	0,210	1,07	0,50	N/A	0,60	5,2	6,7	26,0000	59,00	21,60
4G0,50	0,210	0,87	0,50	N/A	0,60	5,4	6,9	39,0000	57,00	19,20
4G0,75	0,210	1,07	0,50	N/A	0,60	5,7	7,3	26,0000	74,00	28,80

## 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

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.