

H05V2V2-F

PVC cables

Flexible PVC-insulated electric cables, under medium-weight PVC sheath. With working 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	ELETTRO BRESCIA IEMMEQU <HAR> H05V2V2-F
Minimum radius of curvature	5 times the max outer diameter for mobile service, 3 times for fixed installation.

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	CU Factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω /km)	(kg/km)	(kg/km)
2x0,75	0,21	NA	0,60	NA	0,80	6,4	26,0000	6,05	0
2x1,00	0,21	NA	0,60	NA	0,80	6,6	19,0000	6,50	19.2
2x1,50	0,26	NA	0,70	NA	0,80	7,6	13,0000	7,30	19.2
2x2,50	0,26	NA	0,80	NA	1,00	9,2	7,0000	9,25	38.4
2x4,00	0,31	NA	0,80	NA	1,10	10,4	4,0000	10,60	76.8
3G0,75	0,21	NA	0,60	NA	0,80	6,7	26,0000	6,50	0
3G1,00	0,21	NA	0,60	NA	0,80	6,9	19,0000	6,90	28.8
3G1,50	0,26	NA	0,70	NA	0,90	8,2	13,0000	7,90	28.8
3G2,50	0,26	NA	0,80	NA	1,10	9,9	7,0000	10,00	57.6
3G4,00	0,31	NA	0,80	NA	1,20	11,2	4,0000	11,40	115.2
4G0,75	0,21	NA	0,60	NA	0,80	7,3	26,0000	7,10	0
4G1,00	0,21	NA	0,60	NA	0,90	7,8	19,0000	7,80	38.4
4G1,50	0,26	NA	0,70	NA	1,00	9,2	13,0000	9,00	38.4
4G2,50	0,26	NA	0,80	NA	1,10	10,8	7,0000	10,75	76.8
4G4,00	0,31	NA	0,80	NA	1,20	12,2	4,0000	12,40	153.6
5G0,75	0,21	NA	0,60	NA	0,90	8,2	26,0000	8,05	0
5G1,00	0,21	NA	0,60	NA	0,90	8,5	19,0000	8,35	48
5G1,50	0,26	NA	0,70	NA	1,10	10,2	13,0000	9,85	48
5G2,50	0,26	NA	0,80	NA	1,20	12,1	7,0000	12,10	96
5G4,00	0,31	NA	0,80	NA	1,40	13,8	4,0000	14,00	192

CORES IDENTIFICATION

Cores number	Insulation colour sequence
48	Blue-Brown
8	Yellow/Green-Blue-Brown
59	Yellow/Green-Blue-Brown-Black / Yellow/Green-Brown-Black-Grey
78	Yellow/Green-Blue-Brown-Black-Grey

Riferirsi alla serie standard CEI EN 50565 come guida all'uso dei cavi con tensione nominale non superiore a 450/750 V (U0/U) e alla norma CEI 20-92 come guida per la movimentazione ed il deposito delle bobine in legno per cavi elettrici.

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