

H05V2V2-F ECA

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	Insulation diameter \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)	(?/km)	(kg/km)	(kg/km)
3G0,75	0,21	1,05	0,60	N/A	0,80	6,7	26,0000	71,00	21,6000
3G1,00	0,21	1,21	0,60	N/A	0,80	6,9	19,5000	83,00	28,8000
3G1,50	0,26	1,44	0,70	N/A	0,90	8,2	13,3000	114,00	43,2000
3G2,50	0,26	1,88	0,80	N/A	1,10	9,9	7,9800	175,00	72,0000
4G0,75	0,21	1,05	0,60	N/A	0,80	7,3	26,0000	88,00	28,8000
4G1,00	0,21	1,21	0,60	N/A	0,90	7,8	19,5000	104,00	38,4000
4G1,50	0,26	1,44	0,70	N/A	1,00	9,2	13,3000	146,00	57,6000
4G2,50	0,26	1,88	0,80	N/A	1,10	10,8	7,9800	217,00	96,0000
5G0,75	0,21	1,05	0,60	N/A	0,90	8,2	26,0000	114,00	36,0000
5G1,00	0,21	1,21	0,60	N/A	0,90	8,5	19,5000	131,00	48,0000
5G1,50	0,26	1,44	0,70	N/A	1,10	10,2	13,3000	188,00	72,0000
5G2,50	0,26	1,88	0,80	N/A	1,20	12,1	7,9800	276,00	120,0000

CORES IDENTIFICATION

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