H05V2V2-F

PVC cables

Flexible PVC-insulated electric cables, under medium-weight PVC sheath. With working temperature of 90° C.

Technical data

Nominal voltage	300/500 V
Applications/Usage conditions	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.
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> H05V2V2-F
Minimum bending radius	5 times the max outer diameter for mobile service, 3 times for fixed installation.

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
(Nxmm²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)	(Kg/km)
2x0,75	0,210	1,07	0,60	N/A	0,80	5,7	7,2	26,0000	59,00	14,40
2x1,00	0,210	1,23	0,60	N/A	0,80	5,9	7,5	19,5000	67,00	19,20
2x1,50	0,260	1,46	0,70	N/A	0,80	6,8	8,6	13,3000	91,00	28,80
2x2,50	0,260	1,92	0,80	N/A	1,00	8,4	10,6	7,9800	139,00	48,00
2x4,00	0,310	2,44	0,80	N/A	1,10	9,7	12,1	4,9500	159,00	76,80
3G0,75	0,210	1,07	0,60	N/A	0,80	6,0	7,6	26,0000	71,00	21,60
3G1,00	0,210	1,23	0,60	N/A	0,80	6,3	8,0	19,5000	83,00	28,80
3G1,50	0,260	1,46	0,70	N/A	0,90	7,4	9,4	13,3000	114,00	43,20
3G2,50	0,260	1,92	0,80	N/A	1,10	9,2	11,4	7,9800	175,00	72,00
3G4,00	0,310	2,44	0,80	N/A	1,20	10,5	13,1	4,9500	244,00	115,20
4G0,75	0,210	1,07	0,60	N/A	0,80	6,6	8,3	26,0000	88,00	28,80
4G1,00	0,210	1,23	0,60	N/A	0,90	7,1	9,0	19,5000	104,00	38,40
4G1,50	0,260	1,46	0,70	N/A	1,00	8,4	10,5	13,3000	146,00	57,60
4G2,50	0,260	1,92	0,80	N/A	1,10	10,1	12,5	7,9800	217,00	96,00
4G4,00	0,310	2,44	0,80	N/A	1,20	11,5	14,3	4,9500	305,00	153,60

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.

H05V2V2-F

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
(Nxmm²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)	(Kg/km)
5G0,75	0,210	1,07	0,60	N/A	0,90	7,4	9,3	26,0000	114,00	36,00
5G1,00	0,210	1,23	0,60	N/A	0,90	7,8	9,8	19,5000	131,00	48,00
5G1,50	0,260	1,46	0,70	N/A	1,10	9,3	11,6	13,3000	188,00	72,00
5G2,50	0,260	1,92	0,80	N/A	1,20	11,2	13,9	7,9800	276,00	120,00
5G4,00	0,310	2,44	0,80	N/A	1,40	13,0	16,1	4,9500	398,00	192,00

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
5	Yellow/Green-Blue-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.

Elettro Brescia S.p.A. - Via Bulloni 36 - 25050 - Camignone di Passirano (Bs) - Tel, +39 030 6850663 Fax +39 030 6850444 email: info@elettrobrescia.it