

## H05GG-F

Rubber cables

EVA flexible cable



### TECHNICAL DATA

Nominal tension	300/500 V
Conditions of employment	Use in domestic premises, kitchens and offices, for ordinary duty applications and supplying appliances where cables are subject to low mechanical stresses (e.g. vacuum cleaners, cooking appliances, soldering irons, toasters, domestic portable tools, hand held inspection lamps) use outdoors for temporary periods of short duration.
Type of electrical conductor	Flexible red copper
Type of insulation	EI3 (EN 50363-1)
Type of outer sheath	EM4 (EN 50363-2-1)
Color of the outer sheath	Black
Operating temperature	-5° C   +110° C
Short circuit temperature	+250° C on the conductor (max 5 sec.)
Test voltage	2000 V
Cable marking	ELETTRO BRESCIA IEMMEQU <HAR> H05GG-F
Minimum radius of curvature	For cables with diameter up to 12 mm 4 times the max outer diameter in mobile laying and 3 times in fixed laying. For cables with diameter greater than 12 mm 5 times the max outer diameter in mobile laying and 4 times in fixed laying.

### REFERENCES STANDARDS

Main rule	EN 50525-2-21
Conductor	EN 60228; IEC 60228

## 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 <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	( $\Omega$ /km)	(kg/km)	(kg/km)
2x0,75	0,21	1,05	0,60	N/A	0,80	6,4	26,0000	58,00	14,4000
2x1,00	0,21	1,21	0,60	N/A	0,90	6,8	19,5000	69,00	19,2000
2x1,50	0,26	1,44	0,80	N/A	1,00	8,4	13,3000	100,00	28,8000
2x2,50	0,26	1,88	0,90	N/A	1,10	9,8	7,9800	145,00	48,0000
3G0,75	0,21	1,05	0,60	N/A	0,90	6,9	26,0000	72,00	21,6000
3G1,00	0,21	1,21	0,60	N/A	0,90	7,2	19,5000	83,00	28,8000
3G1,50	0,26	1,44	0,80	N/A	1,00	8,9	13,3000	125,00	43,2000
3G2,50	0,26	1,88	0,90	N/A	1,10	10,4	7,9800	175,00	72,0000
3G4,00	0,31	2,44	1,00	N/A	1,20	12,1	4,9500	217,00	115,2000
3G6,00	0,31	2,96	1,00	N/A	1,40	13,8	3,3000	283,00	172,8000
4G0,75	0,21	1,05	0,60	N/A	0,90	7,5	26,0000	90,00	28,8000
4G1,00	0,21	1,21	0,60	N/A	0,90	7,8	19,5000	100,00	38,4000
4G1,50	0,26	1,44	0,80	N/A	1,10	9,9	13,3000	150,00	57,6000
4G2,50	0,26	1,88	0,90	N/A	1,20	11,5	7,9800	220,00	96,0000
4G4,00	0,31	2,44	1,00	N/A	1,30	13,4	4,9500	271,00	153,6000
4G6,00	0,31	2,96	1,00	N/A	1,50	15,3	3,3000	375,00	230,4000
5G0,75	0,21	1,05	0,60	N/A	1,00	8,4	26,0000	105,00	36,0000
5G1,00	0,21	1,21	0,60	N/A	1,00	8,7	19,5000	120,00	48,0000
5G1,50	0,26	1,44	0,80	N/A	1,10	10,8	13,3000	180,00	72,0000
5G2,50	0,26	1,88	0,90	N/A	1,30	12,8	7,9800	260,00	120,0000

## 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

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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