



# H05RR-F



**Multicore flexible power cables, insulated and sheathed with tough ordinary rubber.**

## Rated voltage

U<sub>0</sub>/U 300/500 V

## Standards

EN 50525-1, EN 50525-2-21, EN IEC 60332-1-2, EN IEC 60228.

## European directives

2014/35/UE (LVD) - 2011/65/CE e 2015/863/EU (RoHS).

## Conductor

Flexible annealed plain copper class 5 (EN IEC 60228).

## Insulation

Rubber of type EI4. Colours of the cores:

- Two-core : blue-brown;
- Three-core : green/yellow-blue-brown or brown-black-grey;
- Four-core : green/yellow-brown-black-grey or blue-brown-black-grey;
- Five-core : green/yellow-blue-brown-black-grey or blue-brown-black-grey-black.

## Sheath

Rubber of type EM3. Colour of the sheath: black; if explicitly requested, and for agreed quantities, the cables can be supplied in other single colours.

## Marking

Continuous marking on the sheath: « LOMBARDA H05RR-F nominal cross section IEMMEQU <HAR> production date Made in Italy ». Progressive meter marking.

## Guidance for Use

For use in domestic premises, kitchens, offices and for appliances where the cables are subjected to low mechanical stresses (e.g. vacuum cleaners, cooking appliances, soldering irons, toasters). Not suitable for permanent use outdoors, in agriculture, in industrial or agricultural workshops or for supplying non-domestic tools. Where a black sheath is specified and tested against appropriate requirements, or the manufactures has demonstrated suitable alternative protection, permanent outdoor use may be permitted.

Further instructions and guidance for use are given in the EN 50565 standard.

Minimum installation and handling temp  
-25 °C



Maximum operating temperature on the conductor

**60 °C**

Maximum short circuit temperature (max 5 sec)

**200 °C**

Minimum usage temperature  
-40 °C



Maximum tensile stress  
1,5 kg/mm<sup>2</sup>



Minimum internal bending radii  
3 ÷ 6 times the overall diameter



Lead Free  
Ecogamma



According to  
RoHS

**RoSH  
free**

# H05RR-F



◁HAR▷



Number and nominal cross-sectional area of conductors n x mm <sup>2</sup>	Maximum diameter of conductor wires mm	Thickness of insulation specified value mm	Thickness of sheath specified value mm	Mean overall dimensions		Indicative cable weight g/m	Maximum resistance of conductors at 20 °C ohm/km
				MIN mm	MAX mm		
2 x 0,75	0,21	0,6	0,8	5,7	7,4	58	26,0
2 x 1	0,21	0,6	0,9	6,1	8,0	75	19,5
2 x 1,5	0,26	0,8	1,0	7,6	9,8	105	13,3
2 x 2,5	0,26	0,9	1,1	9,0	11,6	145	7,98
2 x 4	0,31	1,0	1,2	10,6	13,7	200	4.95
3 G 0,75	0,21	0,6	0,9	6,2	8,1	72	26,0
3 G 1	0,21	0,6	0,9	6,5	8,5	83	19,5
3 G 1,5	0,26	0,8	1,0	8,0	10,4	125	13,3
3 G 2,5	0,26	0,9	1,1	9,6	12,4	175	7,98
3 G 4	0,31	1,0	1,2	11,3	14,5	245	4.95
3 G 6	0,31	1,0	1,4	12,8	16,3	305	3,30
4 G 0,75	0,21	0,6	0,9	6,8	8,8	90	26,0
4 G 1	0,21	0,6	0,9	7,1	9,3	100	19,5
4 G 1,5	0,26	0,8	1,1	9,0	11,6	150	13,3
4 G 2,5	0,26	0,9	1,2	10,7	13,8	220	7,98
4 G 4	0,31	1,0	1,3	12,7	16,2	330	4.95
4 G 6	0,31	1,0	1,5	14,2	18,1	400	3,30
5 G 0,75	0,21	0,6	1,0	7,6	9,9	105	26,0
5 G 1	0,21	0,6	1,0	8,0	10,3	120	19,5
5 G 1,5	0,26	0,8	1,1	9,8	12,7	180	13,3
5 G 2,5	0,26	0,9	1,3	11,9	15,3	270	7,98
5 G 4	0,31	1,0	1,4	14,6	18,6	410	4.95

If explicitly requested, and for agreed quantities, a version of the cables without the protective conductor (green/yellow) can be supplied