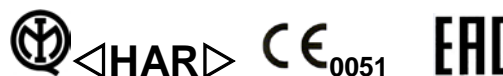


# H07RN-F



Reaction to Fire CPR: Eca

## CABLES FOR CONTROL AND SIGNALLING CIRCUITS

Flexible multi-core cables for control and signalling circuits, rubber insulated and heavy polychloroprene or other synthetic elastomer sheathed.

### Rated voltage

U<sub>0</sub>/U 450/750 V

### Standards

EN 50525-1, EN 50525-2-21, EN IEC 60332-1-2, EN IEC 60228, EN 50575:2014+A1:2016.

### Regulation Construction Products

305/2011 EU.

### 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: black numbered, with or without the green/yellow earth core.

### Sheath

Rubber of type EM2. 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 H07RN-F nominal cross section IEMMEQU <HAR> OZONE RESISTANT production date Made in Italy Eca ». Progressive meter marking.

### Guidance for Use

For use in dry or moist rooms, in open air; for medium mechanical stresses, e.g. for industrial and agricultural workshop appliances, large boiler rooms, heating plates, inspection lamps, electrical tools such as drills, circular saws, domestic electric tools; also for mobile motors or machines on building sites or in agricultural working, etc; also for fixed installations, e.g. on rough-cast in temporary buildings and huts used for accommodation purposes; suitable for the wiring of construction components in lifting appliances, machinery, etc. Use up to 1.000 V, a.c. is permitted for fixed, protected installations (in conduit or appliances), and also for motor connections of hoisting motors and like.

Installation directly or indirectly buried or immersed in water is not allowed.

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

According to CPR EN IEC 60332-1-2



Minimum installation and handling temp -25 °C



Maximum operating temperature on the conductor



Maximum short circuit temperature (max 5 sec)



Minimum usage temperature -40 °C



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



Minimum internal bendign radii 4 ÷ 8 times the overall diameter



Ozone Resistant



Lead Free Ecogamma



According to RoHS



# H07RN-F



◁HAR▷

CE 0051



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		
6 G 1,5	0,26	0,8	2,5	13,4	17,2	310	13,3
7 G 1,5	0,26	0,8	2,6	14,7	18,7	335	13,3
12 G 1,5	0,26	0,8	2,9	17,6	22,4	560	13,3
18 G 1,5	0,26	0,8	3,2	20,7	26,3	750	13,3
19 G 1,5	0,26	0,8	3,3	20,7	26,3	795	13,3
24 G 1,5	0,26	0,8	3,5	24,3	30,7	100	13,3
36 G 1,5	0,26	0,8	3,8	27,8	35,2	1350	13,3
6 G 2,5	0,26	0,9	2,7	15,7	20,0	450	7,98
7 G 2,5	0,26	0,9	2,8	17,1	21,8	465	7,98
12 G 2,5	0,26	0,9	3,1	20,6	26,2	770	7,98
18 G 2,5	0,26	0,9	3,5	24,4	30,9	1100	7,98
19 G 2,5	0,26	0,9	3,7	24,4	30,9	1125	7,98
24 G 2,5	0,26	0,9	3,9	28,8	36,4	1500	7,98
36 G 2,5	0,26	0,9	4,3	33,2	41,8	2050	7,98
6 G 4	0,31	1,0	2,9	18,2	23,2	640	4,95
7 G 4	0,31	1,0	3,1	20,1	25,5	720	4,95
12 G 4	0,31	1,0	3,5	24,4	30,9	1000	4,95
18 G 4	0,31	1,0	3,9	28,8	36,4	1590	4,95

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