

**Rubber insulated flexible cable and sheathed with rubber**

**CEI EN 50525-2-21**  
**EN 50525-2-21**  
**Low voltage directive 2006/95/CE**  
**RoHS 2011/65/CE directive**

**IEMMEQU** ◁ HAR ▷



# H05RR-F


**Manufacturing characteristics**

Conductor stranded bare copper, rubber insulation quality E14;  
 rubber sheath quality EM3 .

**Marking**

Embossing on insulating material:  
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 <nr. conductors x section>

**Application – intended use**

Flexible cables suitable for mobile service in for connecting portable and light, for light mechanical stresses (eg vacuum cleaners, welding equipment, kitchen appliances etc..) Or for fixed installation.  
**NOT SUITABLE FOR EXTERNAL UNDERGROUND LAYING.**



**Nominal voltage:**  
 $U_0/U = 300/500V$



**Minimum bending radius:**  
 3 x ext. diameter for fixed laying  
 6 x ext. diameter for mobile laying



**Operating temperature:**  
 60° C



**Traction force during laying:**  
 50 N/mm<sup>2</sup> of copper section max for fixed layings  
 15 N/mm<sup>2</sup> of copper section max for mobile layings



**Short circuit temperature:**  
 200° C



**Laying temperature:**  
 minimum -25° C

Number of conductors nom. cross section area n° x mm <sup>2</sup>	Strands conductor maximum diameter mm	Average insulation thickness mm	Average sheath thickness mm	Maximum external cable diameter mm	Cable nominal weight kg / km	Max conductor resistance at 20° C Ohm / km	Max current carrying at 30° C in air mobile service A
2 x 0,75	0,21	0,60	0,80	7,4	54	26,0	6
2 x 1,00	0,21	0,60	0,90	8,0	65	19,5	10
2 x 1,50	0,26	0,80	1,00	9,8	97	13,3	20
2 x 2,50	0,26	0,90	1,10	11,5	140	7,98	25
3 x 0,75	0,21	0,60	0,90	8,1	66	26,0	6
3 x 1,00	0,21	0,60	0,90	8,5	76	19,5	10
3 x 1,50	0,26	0,80	1,00	10,4	115	13,3	20
3 x 2,50	0,26	0,90	1,10	12,4	167	7,98	25
3 x 4,00	0,31	1,00	1,20	14,5	242	4,95	35
3 x 6,00	0,31	1,00	1,40	16,3	325	3,3	44
4 x 0,75	0,21	0,60	0,90	8,8	79	26,0	6
4 x 1,00	0,21	0,60	0,90	9,3	92	19,5	10
4 x 1,50	0,26	0,80	1,10	11,6	143	13,3	16
4 x 2,50	0,26	0,90	1,20	13,8	210	7,98	20
4 x 4,00	0,31	1,00	1,30	16,2	303	4,95	30
4 x 6,00	0,31	1,00	1,50	18,1	405	3,3	37
5 x 0,75	0,21	0,60	1,00	9,9	101	26,0	6
5 x 1,00	0,21	0,60	1,00	10,3	117	19,5	10
5 x 1,50	0,26	0,80	1,10	12,7	176	13,3	16
5 x 2,50	0,26	0,90	1,30	15,3	265	7,98	20

**VERSIONS ON REQUEST**

The H05RR-F may be provided:

- With sheathed colored to customer specifications
- With external diameter to customer specifications.