

**Flexible cable with PVC thermoplastic insulation and lightweight sheath – flame retardant**

# H03VV-F

**CEI EN 50525-2-11  
EN 50525-2-11**

**Low voltage directive 2006/95/CE  
RoHS 2011/65/CE directive**

**IEMMEQU ◁ HAR ▷**



**Manufacturing characteristics**

Conductor stranded bare copper, PVC insulation T12 quality;  
Sheath of special PVC TM2 quality.

**Marking**

Embossing on insulating material:  
IRCE IEMMEQU ◁ HAR ▷ H03VV-F  
<nr. conductors x section><year>

**Application – intended use**

Flexible cables for mobile lightweight, suitable for installation in homes, kitchens, offices, for connection of portable light;  
It is not allowed to use for cooking appliances and heatings;  
It is not suitable for external use in industrial or agricultural buildings or for portable household;  
The 0.5 mm<sup>2</sup> cables can be used for small portable equipment prior permission of the relevant rules relating to the same equipment.



**Nominal voltage:**  
U<sub>0</sub>/U = 300/300V



**Minimum bending radius:**  
6 x ext. diameter



**Operating temperature:**  
60° C



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



**Short circuit temperature:**  
150° C



**Laying temperature:**  
minimum 5° 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 0,50	0,21	0,50	0,60	5,9	34,5	39,0	3
2 x 0,75	0,21	0,50	0,60	6,3	43	26,0	6
3 x 0,50	0,21	0,50	0,60	6,3	42	39,0	3
3 x 0,75	0,21	0,50	0,60	6,7	51,8	26,0	6
4 x 0,50	0,21	0,50	0,60	6,9	50	39,0	3
4 x 0,75	0,21	0,50	0,60	7,3	62,5	26,0	6

**VERSIONS ON REQUEST**

The H03VV-F may be provided:

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