

Flexible cable with thermoplastic PVC insulation and sheath - flame retardant

H03VVH2-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 ▷ H03VVH2-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 mm² cables can be used for small portable equipment prior permission of the relevant rules relating to the same equipment.



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



Minimum bending radius:
 6 x ext. diameter



Operating temperature:
 60° C



Traction force during laying:
 15 N/mm² 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 ² | 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 | 3,7 x 5,9 | 26,6 | 39,0 | 3 |
| 2 x 0,75 | 0,21 | 0,50 | 0,60 | 3,8 x 6,3 | 32,8 | 26,0 | 6 |

VERSIONS ON REQUEST

The H03VVH2-F may be provided:
 With sheathed colored to customer specifications
 With external diameter to customer specifications.