

Flexible cable insulated and sheathed with halogen-free thermoplastic special flame retardant and low emission of toxic gases and corrosive

H03Z1Z1-F

CEI EN 50525-3-11
EN 50525-3-11
Low voltage directive 2006/95/CE
RoHS 2011/65/CE directive

IEMMEQU ◁ HAR ▷



Manufacturing characteristics

Conductor stranded bare copper, insulated thermoplastic compound Ti6 special quality, sheathed with high-quality thermoplastic TM7.

Marking

Marking with special ink:
 IRCE IEMMEQU ◁ HAR ▷ H03Z1Z1-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	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 H03Z1Z1H2 flat-F 2 x 2 x 0.50 mm² and 0.75 mm² with IMQ approved DAT No. CA01.00403