

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

H05Z1Z1-F

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

IEMMEQU ◁HAR▷
CE

Manufacturing characteristics

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

Marking

Marking with special ink:
IRCE IEMMEQU ◁HAR▷ H05Z1Z1-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 as hair dryers, washing machines, refrigerators etc., Which may be used for cooking and heating appliances provided they are not in contact with hot parts, not suitable for external use, in industrial buildings or for non-domestic portable tools.



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



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 0,75	0,21	0,60	0,80	7,2	52,7	26,00	6,0
2 x 1,00	0,21	0,60	0,80	7,5	60,6	19,50	10,0
2 x 1,50	0,26	0,70	0,80	8,6	81,4	13,50	16,0
3 x 0,75	0,21	0,60	0,80	7,6	62,4	26,00	6,0
3 x 1,00	0,21	0,60	0,80	8,0	72,5	19,50	10,0
3 x 1,50	0,26	0,70	0,90	9,4	101	13,30	16,0
4 x 0,75	0,21	0,60	0,80	8,3	75,1	26,00	6,0
4 x 1,00	0,21	0,60	0,90	9,0	91,3	19,50	10,0
4 x 1,50	0,26	0,70	1,00	10,5	127	13,30	16,0
5 x 0,75	0,21	0,60	0,90	9,3	95,3	26,00	6,0
5 x 1,00	0,21	0,60	0,90	9,8	110	19,50	10,0
5 x 1,50	0,26	0,70	1,10	11,6	160	13,30	16,0