

Flexible cable rubber insulated with sheath of polyurethane and without emission of corrosive gases

CEI EN 50525-2-21
EN 50525-2-21

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

IEMMEQU ◁HAR▷



H07BQ-F

Manufacturing characteristics

Conductor stranded bare copper, rubber insulation quality EI6;
Thermoplastic polyurethane sheath TPU quality.

Marking

Marking with special ink:
IRCE CAVI IEMMEQU ◁HAR▷ H07BQ-F
<nr. conductors x section><year>

Application – intended use

Flexible cables for mobile heavy, even in wet rooms, in workshops or outdoors.
Used for connecting devices such as industrial or agricultural large boilers, heating plates, portable lamps, electrical tools, motors and generators transportable.

Required for temporary facilities on construction sites in accordance with IEC 64-8 Part 7 of the third edition. Can also be used for fixed installations.



Nominal voltage:

$U_0/U = 450/750V$



Operating temperature:

90° C



Short circuit temperature:

250° C



Minimum bending radius:

4 x ext. diameter for fixed layings
10 x ext. diameter for mobile layings



Traction force during laying:

50N/mm² of copper section max
for fixed layings
15N/mm² of copper section max
for mobile layings



Laying temperature:

minimum -40° C



H07BQ-F

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 1,0	0,21	0,80	0,90	9,0	70	19,5	16
2 x 1,5	0,26	0,80	1,00	9,8	87	13,3	20
2 x 2,5	0,26	0,90	1,10	11,6	126	7,98	25
2 x 4,0	0,31	1,00	1,20	13,7	181	4,95	34
2 x 6,0	0,31	1,00	1,30	15,1	237	3,30	43
2 x 10	0,41	1,20	2,00	19,9	415	1,91	60
2 x 16	0,41	1,20	2,10	22,8	570	1,21	79
3 x 1,0	0,21	0,80	0,90	9,5	84	19,5	16
3 x 1,5	0,26	0,80	1,00	10,4	105	13,3	20
3 x 2,5	0,26	0,90	1,10	12,4	157	7,98	25
3 x 4,0	0,31	1,00	1,20	14,5	227	4,95	35
3 x 6,0	0,31	1,00	1,40	16,3	306	3,30	44
3 x 10	0,41	1,20	2,10	21,4	525	1,91	62
3 x 16	0,41	1,20	2,30	24,7	740	1,21	81
4 x 1,0	0,21	0,80	1,00	10,7	107	19,5	13
4 x 1,5	0,26	0,80	1,10	11,6	134	13,3	16
4 x 2,5	0,26	0,90	1,20	13,8	198	7,98	20
4 x 4,0	0,31	1,00	1,30	16,2	287	4,95	30
4 x 6,0	0,31	1,00	1,50	18,1	386	3,30	37
4 x 10	0,41	1,20	2,20	23,6	660	1,91	52
4 x 16	0,41	1,20	2,30	27,0	925	1,21	69
5 x 1,0	0,21	0,80	1,10	11,9	135	19,5	13
5 x 1,5	0,26	0,80	1,10	12,7	165	13,3	16
5 x 2,5	0,26	0,90	1,30	15,3	250	7,98	20
5 x 4,0	0,31	1,00	1,40	17,9	362	4,95	30
5 x 6,0	0,31	1,00	1,60	20,0	486	3,30	38
5 x 10	0,41	1,20	2,30	25,9	830	1,91	54
5 x 16	0,41	1,20	2,50	30,0	1170	1,21	71

VERSIONS ON REQUEST

The H07BQ-F may be provided:

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