

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

H05BQ-F

CEI EN 50525-2-21
EN 50525-2-21
Low voltage directive 2006/95/CE
RoHS 2011/65/CE directive

IEMMEQU ◁ HAR ▷



Manufacturing characteristics

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

Marking

Marking with special ink:
 IRCE CAVI IEMMEQU ◁ HAR ▷ H05BQ-F
 <nr. conductors x section><year>

Application – intended use

Flexible cables for mobile service in or for fixed installation.
 Excellent resistance to abrasion, ozone, oils and chemicals.
NOT SUITABLE FOR EXTERNAL UNDERGROUND LAYING.



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



Minimum bending radius:
 3 x ext. diameter for fixed laying
 6 x ext. diameter for mobile laying



Operating temperature:
 90° C



Traction force during laying:
 50N/mm² of copper section max for fixed layings
 15N/mm² of copper section max for mobile layings



Short circuit temperature:
 250° C



Laying temperature:
 minimum -40° 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	7,4	47	26,0	6
2 x 1,00	0,21	0,60	0,90	8,0	57	19,5	10
3 x 0,75	0,21	0,60	0,90	8,1	60	26,0	6
3 x 1,00	0,21	0,60	0,90	8,5	70	19,5	10
4 x 0,75	0,21	0,60	0,90	8,8	74	26,0	6
4 x 1,00	0,21	0,60	0,90	9,3	86	19,5	10
5 x 0,75	0,21	0,60	1,00	9,9	93	26,0	6
5 x 1,00	0,21	0,60	1,00	10,3	108	19,5	10

VERSIONS ON REQUEST

The H05BQ-F may be provided:
 With sheathed colored to customer specifications
 With external diameter to customer specifications.