



SALCAVI
INDUSTRIE

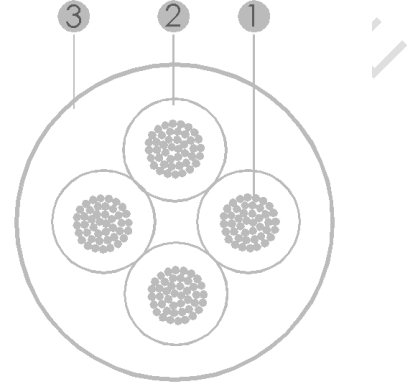
TECHNICAL DATA SHEET



© All rights reserved.

All contents of this document are our property and any copy or divulgation is not allowed without our written authorization

Cavi energia H05BQ-F ed H07BQ-F Power cables H05BQ-F and H07BQ-F



SCHEMATIC DRAWINGS



APPLICAZIONI APPLICATIONS

Idonei per installazioni in ambienti umidi o bagnati (AD6 e AD7), uso esterno e per collegamenti soggetti a sollecitazioni meccaniche medie come : apparecchiature in officine industriali e agricole, utensili elettrici (trapani, seghe circolari, motori o generatori trasportabili) in cantieri edili ed impianti agricoli. Particolarmente indicato dove il cavo è soggetto a forti abrasioni e sforzi di strappo.

Suitable for installation in wet or humid places (AD6 or AD7), outdoor uses and for interconnection where medium mechanical injuries could occur : equipment for industrial and agricultural workshops, power tools (drills, circular saws, portable motors and generators) in building-yard and agricultural installations, Particularly suitable where the cable is undergone to high abrasion and tear efforts.

COSTRUZIONE

CABLE STRUCTURE

1. Conduttore flessibile in rame elettrolitico rosso
Electrolytic bare copper flexible conductor
2. Isolamento in gomma reticolata tipo EI6, privo di alogeni
Type EI6 halogen-free cross-linked insulation
3. Guaina in PUR termoplastico (TMPU), privo di alogeni
Thermoplastic halogen-free PUR jacket (TMPU)

Temperatura utilizzo
Temperature range



5 ÷ 90 °C
-40 ÷ 90 °C
(@ fixed installation)

Tensione di esercizio
Voltage rating



300/500 V_{ac} (H05BQ-F)
450/750 V_{ac} (H07BQ-F)

Tensione di prova
Test voltage



2000 V_{ac} (H05BQ-F)
2500 V_{ac} (H07BQ-F)

Temperatura di corto circuito
Short-circuit temperature



250 °C

Esente da alogeni
Halogen-free



EN 50525-1,
EN 50267-2-2,
EN 50267-2-1,
EN 60884-2

Resistenza agli oli
Oil resistance



EN 50363-10-2

Idoneo per uso esterno
Suitable for outdoor use



Idoneo per posa mobile
Suitable for mobile installation



Raggio di curvatura
Bending radius



≥ 8xD (fixed)
≥ 10xD (mobile)

Revision Date
27/10/2017

Issue n.
2.0

Approved by
UTC

Page: 1 / 3

Al fine di perfezionare i nostri prodotti, le informazioni contenute in questa scheda possono essere variate senza preavviso. Preghiamo verificare con i ns. uffici la data e il numero di revisione.
In order to improve our products, the information contained in this technical data sheet can be changed without notice. Please check periodically with our offices date and number of the revision.



**SALCAVI
INDUSTRIE**

TECHNICAL DATA SHEET



© All rights reserved.

All contents of this document are our property and any copy or divulgation is not allowed without our written authorization

Sezione <i>Size conductor</i> [mm ²]	Formazione conduttore <i>Conductor stranding</i> [N° x mm]	Resistenza elettrica <i>Electrical resistance</i> [Ω/Km]	Diametro su isolamento <i>Diameter on insulation</i> [mm]	Spessore di isolamento <i>Radial thickness of insulation</i> [mm]
0.75	24 x 0.193	≤ 26.0	2.33 ± 0.1	≥ 0.60
1	32 x 0.193	≤ 19.5	2.47 ± 0.1 (H05BQ-F) 2.85 ± 0.1 (H07BQ-F)	≥ 0.60 (H05BQ-F) ≥ 0.80 (H07BQ-F)
1.5	28 x 0.243	≤ 13.3	3.05 ± 0.1	≥ 0.80
2.5	48 x 0.243	≤ 7.98	3.8 ± 0.1	≥ 0.90
4	52 x 0.300	≤ 4.95	4.5 ± 0.1	≥ 1.0
6	80 x 0.300	≤ 3.30	5.25 ± 0.1	≥ 1.0
10	136 x 0.300	≤ 1.91	6.6 ± 0.1	≥ 1.2
16	210 x 0.300	≤ 1.21	7.6 ± 0.1	≥ 1.2

Sezione <i>Size conductor</i> [mm ²]	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm]
---	---	---

H05BQ-F	2 x 0.75	6.2 ± 0.2	≥ 0.8
	3 x 0.75	6.7 ± 0.2	≥ 0.9
	4 x 0.75	7.3 ± 0.2	≥ 0.9
	5 x 0.75	8.3 ± 0.2	≥ 1.0
	2 x 1	6.7 ± 0.2	≥ 0.9
3 x 1	7.1 ± 0.2	≥ 0.9	
4 x 1	7.8 ± 0.2	≥ 0.9	
5 x 1	8.55 ± 0.2	≥ 1.0	

H07BQ-F	2 x 1	7.6 ± 0.2	≥ 0.9
	3 x 1	8.1 ± 0.2	≥ 0.9
	4 x 1	9.0 ± 0.2	≥ 1.0
	5 x 1	10.1 ± 0.3	≥ 1.1
	2 x 1.5	8.1 ± 0.2	≥ 1.0
3 x 1.5	8.6 ± 0.2	≥ 1.0	
4 x 1.5	9.6 ± 0.2	≥ 1.1	
5 x 1.5	10.5 ± 0.3	≥ 1.1	

H07BQ-F	2 x 1.5	8.1 ± 0.2	≥ 1.0
	3 x 1.5	8.6 ± 0.2	≥ 1.0
	4 x 1.5	9.6 ± 0.2	≥ 1.1
	5 x 1.5	10.5 ± 0.3	≥ 1.1
	2 x 2.5	9.8 ± 0.2	≥ 1.1
3 x 2.5	10.4 ± 0.3	≥ 1.1	
4 x 2.5	11.6 ± 0.3	≥ 1.2	
5 x 2.5	12.9 ± 0.3	≥ 1.3	

Sezione <i>Size conductor</i> [mm ²]	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm]
---	---	---

H07BQ-F	2 x 4	11.4 ± 0.3	≥ 1.2
	3 x 4	12.2 ± 0.3	≥ 1.2
	4 x 4	13.5 ± 0.3	≥ 1.3
	5 x 4	15.0 ± 0.3	≥ 1.4
	2 x 6	13.1 ± 0.3	≥ 1.3
3 x 6	14.2 ± 0.3	≥ 1.4	
4 x 6	15.7 ± 0.3	≥ 1.5	
5 x 6	17.4 ± 0.3	≥ 1.6	

H07BQ-F	2 x 10	17.4 ± 0.3	≥ 2.0
	3 x 10	18.7 ± 0.3	≥ 2.1
	4 x 10	20.5 ± 0.3	≥ 2.2
	5 x 10	22.6 ± 0.3	≥ 2.3
	2 x 16	19.6 ± 0.3	≥ 2.1
3 x 16	21.3 ± 0.3	≥ 2.3	
4 x 16	23.0 ± 0.3	≥ 2.3	
5 x 16	25.8 ± 0.3	≥ 2.5	

H07BQ-F	2 x 16	19.6 ± 0.3	≥ 2.1
	3 x 16	21.3 ± 0.3	≥ 2.3
	4 x 16	23.0 ± 0.3	≥ 2.3
	5 x 16	25.8 ± 0.3	≥ 2.5
	2 x 2.5	9.8 ± 0.2	≥ 1.1
3 x 2.5	10.4 ± 0.3	≥ 1.1	
4 x 2.5	11.6 ± 0.3	≥ 1.2	
5 x 2.5	12.9 ± 0.3	≥ 1.3	

Revision Date
27/10/2017

Issue n.
2.0

Approved by
UTC

Page: 2 / 3

Al fine di perfezionare i nostri prodotti, le informazioni contenute in questa scheda possono essere variate senza preavviso. Preghiamo verificare con i ns. uffici la data e il numero di revisione.
In order to improve our products, the information contained in this technical data sheet can be changed without notice. Please check periodically with our offices date and number of the revision.



SALCAVI
INDUSTRIE

TECHNICAL DATA SHEET



© All rights reserved.

All contents of this document are our property and any copy or divulgation is not allowed without our written authorization

Riferimento normativo <i>Standard reference</i>	EN 50525-2-21, Direttiva Europea Bassa Tensione No. 2014/35/UE. Certificato IMQ-HAR No. CA01.00615 (H05BQ-F), CA01.00616 (H07BQ-F) <i>EN 50525-2-21, Low Voltage European Directive No. 2014/35/EU. IMQ-HAR approvals Nos. CA01.00615 (H05BQ-F), CA01.00616 (H07BQ-F)</i>
Conduttore <i>Stranding of conductor</i>	Conduttore flessibile in classe 5 in rame rosso elettrolitico, conforme alla norma IEC 60228 <i>Class 5 electrolytic bare copper flexible conductor conforming to IEC 60228 standard</i>
Isolamento <i>Insulation</i>	Mescola elastomerica reticolata tipo EI6 conforme alla norma EN 50363-1, priva di alogeni <i>EI6 type halogen-free cross-linked elastomeric compound complies with EN 50363-1</i>
Riunitura <i>Cable assembly</i>	Le anime saranno trecciate insieme, se necessario, attorno ad un riempitivo centrale in filato. <i>The inner cores will be twisted together, if necessary, around a textile central filler</i>
Colore isolamento <i>Color of insulation</i>	In conformità con i requisiti della norma HD 308 <i>In compliance with requirements of HD 308 standard</i>
Guaina esterna <i>Outer sheath</i>	Mescola di poliuretano termoplastico tipo TMPU, conforme alla norma EN 50363-10-2, privo di alogeni. <i>TMPU type thermoplastic halogen-free polyurethane compound, complies with EN 50363-10-2 standard.</i>
Colore guaina <i>Color of sheath</i>	Arancione (simile a RAL 2003) <i>Orange (similar to RAL 2003)</i>
Marchatura a getto di inchiostro <i>Ink-jet marking</i>	SALCAVI SPA - ITALY IEMMEQU-HAR H05BQ-F/H07BQ-F No. DI CONDUTTORI X SEZIONE - ANNO <i>SALCAVI SPA - ITALY IEMMEQU-HAR H05BQ-F/H07BQ-F No. OF CONDUCTORS X SIZE - YEAR</i>

Revision Date
27/10/2017

Issue n.
2.0

Approved by
UTC

Page: 3 / 3

Al fine di perfezionare i nostri prodotti, le informazioni contenute in questa scheda possono essere variate senza preavviso. Preghiamo verificare con i ns. uffici la data e il numero di revisione.
In order to improve our products, the information contained in this technical data sheet can be changed without notice. Please check periodically with our offices date and number of the revision.