

1. CABLE IDENTIFICATION DATA

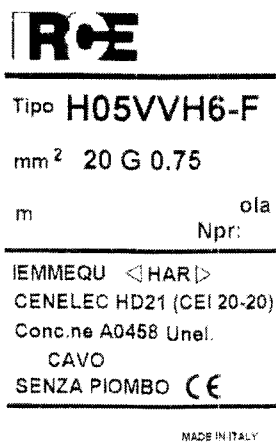
Flexible PVC insulated flat cables for lifts

- 1) Code designation: H05VVH6-F
 - 2) Product internal code: 41DG (black cores identified by numbers)
 - 3) Producer I.R.C.E. S.p.A.
Via Lasie 12/a - 40026 - Imola (Bo) - Italia
Marking: **IRCE IEMMEQU < HAR > H05VVH6-F**
On the back: **production year + ** when the longest dimension of the cross area is greater than 12,5 mm
 - 4) Type: Flexible PVC insulated flat cables for lifts
Rated Voltage 300/500 V
 - 5) Approvals  **< HAR >** DAT A0458
- peculiar features: the cable doesn't propagate the flame
 - advices for the use: mainly for lifting devices, where the cables are moving freely during service and they are not furtherly loaded.
 - Usage limits: They are not allowed when external temperature is outside the 0÷40°C range, nor when they are used in the external spaces.

REVIEW STATUS			EMISSION ITER		
REL.	REASON OF REVIEW	DATE	ISSUED	VERIFIED	APPROVED
01	First issue	18/11/05	DRS	GQ	DGE

Not signed because electronic copy

- identification label:



2. CABLE DESCRIPTION

- Harmonised (H) flat multi-cores with grouped cores (H6), with flexible copper conductors (F), PVC insulated (V), under PVC sheath (V).
- Technical data
 - Rated Voltage: 300/500 V (05)
 - Max exercise temperature: 70°C
 - Max short-circuit exercise temperature: 160°C
 - Minimum installation temperature: +5°C
 - Max storage temperature: 40°C
 - Max freely suspended length: 35 m
 - Max moving speed: 1,6 m/s
 - Minimum bending radius during exercise: 35 cm
- Cables technical drawings:
 - See std CEI EN 50214

- Cable parts:
 - Annealed flexible copper conductors
 - insulation: PVC type TI2
 - sheath PVC type TM2
- Variants description:
 - The preferred number of cores, according to the nominal cross sectional areas of conductors, are given in the following table

Cable Type	nominal cross sectional area (mm ²)	preferred number of cores
H05VVH6-F	0,75	6, 9, 12, 16, 18, 20 e 24
H05VVH6-F	1	4, 5, 6, 9, 12, 16, 18, 20 e 24

- The cores shall be grouped, lying closely side by side, in groups of 2 to 5 cores.
For cables having the preferred number of cores, the groups shall comply to the following table

N° of cores	6	9	12	16	18	20	24
N° groups x N° cores in each group	2x3	3x3	3x4	4x4	2x4 + 2x5	5x4	6x4

- The cores shall be laid parallel and covered by a continuous sheath
- A rip-cord may be added inside each core group
- These cables are harmonised whether they have the yellow-green (ground) core or not.

- Cores identification: it shall be either by different colors for each core or by numbers.
 - by colour (up to 5 cores):
 - according to CEI-UNEL 00722 (HD 308)
 - by numbers (for any kind of assembly):
 - each core, apart the yellow-green core, if any, shall be in accordance to CEI-UNEL 00725

3. REFERENCE STANDARDS

In cable designing the following standards were applied:

- CEI 20-55 equivalent to EN 50214 for flat PVC sheathed flexible cables, concerning the physical features and test-methods
- TABLE CEI-UNEL 00725 Marking by inscription for the identification of cores of electric cables

The systems adopted to verify that the production process complies to the quality requirements are described in the IRCE Quality Assurance Handbook.

IRCE quality system conforms UNI - EN ISO 9001:2000 standard and has been certified by CSQ on December 15,2003 by a certificate N°9125.IRC2

4. INSTRUCTIONS FOR THE USE

The usage shall comply the following standard:

- CEI 20-55 equivalent to EN 50214 for flat PVC sheathed flexible cables

5. PERFORMED TESTS

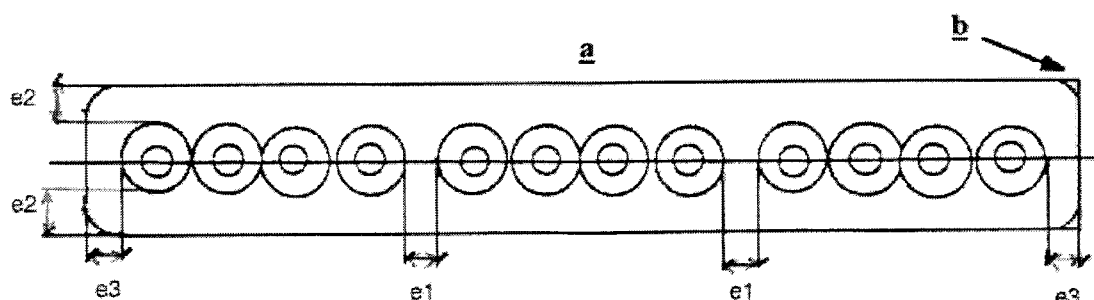
The conformity of these cables to the requirements of the BT 73/23 e 93/68 standards was checked according to the tests listed in the standards described in part 3 of this document and they are collected in the following test reports:

2748a/1 IMQ

2749a/1 IMQ

01R0271 IMQ

01R0348 IMQ



CORES:

PVC type TI2, IRCE default type TI1 Sh. A 86

Nominal cross-sectional area	Strand Indicative composition Rated diameters	Default lay of strand	Max electric resistance at 20°C	Mean Minimum Insulation Thickness	Rated diameter
[mm ²]	n x Ø [mm]	[mm]	[ohm/Km]	[mm]	[mm]
0,75	22 x 0,20	44	26,0	0,60	2,26
1,00	29 x 0,20	44	19,5	0,60	2,42

SHEATH:

PVC type TM2, IRCE default type TI2 Sh. A75

Assembly	Rated external dimensions b x a [mm]	Mean Minimum Thicknesses [mm]		
		e1	e2	e3
6 x 0,75	3,86 x 16,56	0,50	0,80	1,20
8 x 0,75	3,86 x 21,08	0,50	0,80	1,20
9 x 0,75	3,86 x 23,94	0,50	0,80	1,20
10 x 0,75	3,86 x 25,60	0,50	0,80	1,20
12 x 0,75	3,86 x 30,71	0,50	0,80	1,20
16 x 0,75	3,86 x 40,35	0,50	0,80	1,20
18 x 0,75	3,86 x 44,87	0,50	0,80	1,20
20 x 0,75	3,86 x 49,99	0,50	0,80	1,20
24 x 0,75	3,86 x 59,63	0,50	0,80	1,20
3 x 1,00	4,02 x 9,67	0,50	0,80	1,20
4 x 1,00	4,02 x 12,09	0,50	0,80	1,20
5 x 1,00	4,02 x 14,52	0,50	0,80	1,20
6 x 1,00	4,02 x 17,54	0,50	0,80	1,20
7 x 1,00	4,02 x 19,96	0,50	0,80	1,20

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IRCE S.p.A.
Via Lasie, 12/A - 40026 Imola
Italia

Assembly	Rated external dimensions b x a [mm]	Mean Minimum Thicknesses [mm]		
		e1	e2	e3
8 x 1,00	4,02 x 22,39	0,50	0,80	1,20
9 x 1,00	4,02 x 25,41	0,50	0,80	1,20
10 x 1,00	4,02 x 27,23	0,50	0,80	1,20
12 x 1,00	4,02 x 32,68	0,50	0,80	1,20
16 x 1,00	4,02 x 42,97	0,50	0,80	1,20
18 x 1,00	4,02 x 47,82	0,50	0,80	1,20
20 x 1,00	4,02 x 53,27	0,50	0,80	1,20
24 x 1,00	4,02 x 63,56	0,50	0,80	1,20

6. Enclosure's index

1. EC Declaration of Conformity
2. IMQ Approval Certificate n° A0458
3. Certificate CSQ 9125.IRC2
4. 2002/95/EC – RoHS – Declaration of Conformity

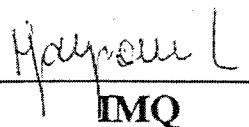
DICHIARAZIONE DI APPROVAZIONE DI TIPO N. A0458

Visti i rapporti di prova n.: 2748a/1, 01R0271, 01R0348

si dichiara che il seguente prodotto:

CAVI ISOLATI CON PVC PER ASCENSORI E MONTACARICHITipo di cavo
Sigla di designazione
Tensione nominale*Cavo flessibile piatto sotto guaina di PVC*
H05VVH6-F
300/500V

(Segue Descrizione Prodotti)

della Ditta: *I.R.C.E. SPA (0102IRCE-)*
VIA LASIE 12/A - 40026 IMOLA (BO)
costruito nello stabilimento di:
*[IM] IMOLA (BO)*e' stato riconosciuto conforme alle norme: CEI 20-25 - II Ed. 1991 HD 359 S2
e quindi ai requisiti essenziali della Direttiva B.T. 73/23 CEE e 93/68 CEEed e' autorizzato all'uso del marchio: **IMQ-HAR**
IMQLa presente dichiarazione potra' venire annullata secondo quanto precisato nel Regolamento in tema di rinuncia o revoca
della concessione d'uso dei marchi dell'IMQ.Data di rilascio: 14/02/1983
Aggiornamento: 05/04/1995
Sostituisce : 27/09/1991 che si intende annullataCopia del presente documento deve essere conservata
presso il luogo di produzione.

N. Mod. 1

Al presente documento e' unito 1 allegato



IEMMEQU HAR

DICHIARAZIONE DI APPROVAZIONE DI TIPO N. A0458

(Descrizione dei prodotti)

CAVI ISOLATI CON PVC PER ASCENSORI E MONTACARICHI

Contrassegni del fabbricante

- filo distintivo
- stampigliatura
- marca

- *az-bl (67-60)**I.R.C.E. o I.A.I.*

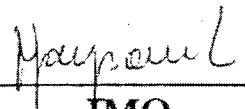
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Contrassegni del Marchio HAR: - filo distintivo HAR (nero-rosso-giallo)

- stampigliatura IEMMEQU ◁ HAR ▷

NOTA: Il filo distintivo del Marchio HAR, nero-rosso-giallo, e' stato depositato in Italia quale marchio collettivo da parte del Verband Deutscher Elektrotechniker (VDE).

Il VDE ha autorizzato l'IMQ ad utilizzare questo filo.

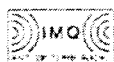

IMQ

Data di rilascio: 14/02/1983

Aggiornamento: 05/04/1995

Sostituisce : 27/09/1991 che si intende annullata

pag. 1



IEMMEQU HAR



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www.iqnet-certification.com

CERTIFICATO N. 9125.IRC2
CERTIFICATE N.

SI CERTIFICA CHE IL SISTEMA QUALITA' DI
WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY

IRCE SPA

VIA LASIE 12/A - 40026 IMOLA (BO)

UNITA' OPERATIVE
OPERATIVE UNITS

VIA LASIE, 12/A - 40026 IMOLA (BO)

E' CONFORME ALLA NORMA
IS IN COMPLIANCE WITH THE STANDARD

ISO 9001:2000

PER LE SEGUENTI ATTIVITA'
FOR THE FOLLOWING ACTIVITIES

Produzione di fili smaltati e in rame trafilato / Cavi elettrici BT

Riferirsi al manuale della qualità per l'applicabilità dei requisiti della norma ISO 9001:2000
Refer to quality manual for details of applications to ISO 9001:2000 requirements

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL REGOLAMENTO
PER LA CERTIFICAZIONE DEI SISTEMI QUALITA' E DI GESTIONE DELLE AZIENDE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS
OF THE RULES FOR THE CERTIFICATION OF COMPANY QUALITY AND MANAGEMENT SYSTEMS

PRIMA EMISSIONE

FIRST ISSUE

1992-04-01

EMISSIONE CORRENTE

CURRENT ISSUE

2003-12-15


IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO

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class certification bodies, is the largest
provider of management System
Certification in the world.
IQNet is composed of more than 30
bodies and counts over 150 subsidiaries
all over the globe.*



EA: 19

SGQ N°0054
SGA N°0020
SCR N°005F
PRQ N°005B

Membro degli Accordi di Mutuo Riconoscimento EA e JAF
Signatory of EA and JAF Mutual Recognition Agreements

La validità del presente certificato è subordinata a sorveglianza annuale e al riesame completo del Sistema di Qualità con periodicità triennale secondo le procedure dell'IMQ

The validity of the certificate is submitted to annual audit and a reassessment of the entire Quality System within three years according to IMQ rules

CISQ è la Federazione Italiana di
Organismi di Certificazione dei
sistemi di gestione aziendale

*CISQ is the Italian Federation
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