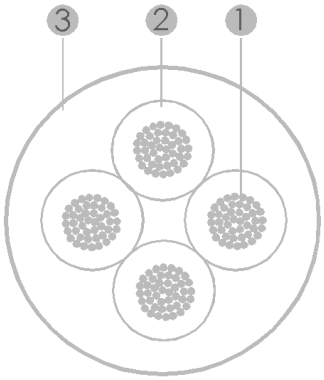
Cavo di segnale privo di alogeni LiHH
Halogen-free signal cable LiHH



SCHEMATIC DRAWINGS

APPLICAZIONI
APPLICATIONS

Cavo multipolare flessibile, con isolamento e guaina in materiale termoplastico privo di alogeni, idoneo per controllo e trasmissione dati. Non propagante l'incendio secondo la norma IEC 60332-3-24 Cat. C

Thermoplastic halogen-free jacketed and insulated multi-core flexible cable that is intended for control and data transmission. It's fire retardant according to IEC 60332-3-24 Cat. C requirements

COSTRUZIONE
CABLE STRUCTURE

1. Conduttore flessibile in rame elettrolitico rosso
   Electrolytic bare copper flexible conductor
2. Isolamento in materiale termoplastico privo di alogeni tipo M1
   M1 type thermoplastic halogen-free insulation
3. Guaina in materiale termoplastico privo di alogeni tipo M1
   M1 type thermoplastic halogen-free outer sheath

Temperatura utilizzo *Temperature range*	- 20 ÷ 70 °C [@ fixed installation]	Esente da alogeni *Halogen-free*	EN 50525-1, EN 50267-2-2, EN 50267-2-1, EN 60884-2
Temperatura di corto circuito *Short-circuit temperature*	160°C	Resistenza all'incendio *Fire resistance*	IEC 60332-3-24 Cat. C
Tensione di esercizio *Rated voltage*	300 V_{AC}	Idoneo per posa interna *Suitable for indoor use*	
Tensione di prova *Test voltage*	1500 V_{AC}	Idoneo per posa fissa *Suitable for fixed installation*	
Resistenza alla fiamma *Flame resistance*	IEC 60332-1-2 CPR class Eca	Raggio di curvatura *Bending radius*	≥ 8 x D [@ fixed installation]

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Sezione *Size conductor* [mm²]	Formazione conduttore *Conductor stranding* [N° x mm]	Resistenza elettrica *Electrical resistance* [Ω/Km] *Bare copper*	 *Tinned copper*	Diametro su isolamento *Diameter on insulation* [mm]	Spessore di isolamento *Radial thickness of insulation* [mm]
0.14	18 x 0.100	≤ 138	≤ 150	1.05 ± 0.1	≥ 0.35
0.25	14 x 0.150	≤ 78.0	≤ 79.0	1.25 ± 0.1	≥ 0.35
0.35	11 x 0.193	≤ 57.0	≤ 58.0	1.55 ± 0.1	≥ 0.40
0.50	16 x 0.193	≤ 39.0	≤ 40.1	1.75 ± 0.1	≥ 0.40
0.75	24 x 0.193	≤ 26.0	≤ 26.7	1.9 ± 0.1	≥ 0.40
1	32 x 0.193	≤ 19.5	≤ 20.0	2.2 ± 0.1	≥ 0.50
1.5	28 x 0.243	≤ 13.5	≤ 13.7	2.6 ± 0.1	≥ 0.60
2.5	48 x 0.243	≤ 7.98	≤ 8.21	3.3 ± 0.1	≥ 0.60

Sezione *Size conductor* [mm²]	Diametro esterno *Outer diameter* [mm]	Spessore guaina *Thickness of jacket* [mm]
2 x 0.14	3.2 ± 0.2	≥ 0.50
3 x 0.14	3.4 ± 0.2	≥ 0.50
4 x 0.14	3.6 ± 0.2	≥ 0.50
5 x 0.14	3.9 ± 0.2	≥ 0.50
6 x 0.14	4.3 ± 0.2	≥ 0.50
7 x 0.14	4.3 ± 0.2	≥ 0.50
8 x 0.14	4.6 ± 0.2	≥ 0.50
10 x 0.14	5.3 ± 0.2	≥ 0.50
12 x 0.14	5.6 ± 0.2	≥ 0.60
14 x 0.14	5.8 ± 0.2	≥ 0.60
16 x 0.14	6.2 ± 0.2	≥ 0.60
19 x 0.14	7.0 ± 0.2	≥ 0.80
21 x 0.14	7.3 ± 0.2	≥ 0.80
25 x 0.14	8.1 ± 0.2	≥ 0.80

Sezione *Size conductor* [mm²]	Diametro esterno *Outer diameter* [mm]	Spessore guaina *Thickness of jacket* [mm]
2 x 0.25	3.7 ± 0.2	≥ 0.60
3 x 0.25	4.0 ± 0.2	≥ 0.60
4 x 0.25	4.4 ± 0.2	≥ 0.60
5 x 0.25	4.7 ± 0.2	≥ 0.60
6 x 0.25	5.0 ± 0.2	≥ 0.60
7 x 0.25	5.0 ± 0.2	≥ 0.60
8 x 0.25	5.8 ± 0.2	≥ 0.70
10 x 0.25	6.5 ± 0.2	≥ 0.70
12 x 0.25	6.7 ± 0.2	≥ 0.70
14 x 0.25	7.0 ± 0.2	≥ 0.70
16 x 0.25	7.5 ± 0.2	≥ 0.80
19 x 0.25	8.0 ± 0.2	≥ 0.90
21 x 0.25	8.5 ± 0.2	≥ 0.90
25 x 0.25	9.7 ± 0.2	≥ 1.0

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Sezione *Size conductor* [mm²]	Diametro esterno *Outer diameter* [mm]	Spessore guaina *Thickness of jacket* [mm]
2 x 0.35	4.2 ± 0.2	≥ 0.50
3 x 0.35	4.4 ± 0.2	≥ 0.50
4 x 0.35	4.9 ± 0.2	≥ 0.60
5 x 0.35	5.5 ± 0.2	≥ 0.60
6 x 0.35	5.9 ± 0.2	≥ 0.60
7 x 0.35	5.9 ± 0.2	≥ 0.60
8 x 0.35	6.7 ± 0.2	≥ 0.60
10 x 0.35	7.5 ± 0.2	≥ 0.60
12 x 0.35	7.8 ± 0.2	≥ 0.60
14 x 0.35	8.2 ± 0.2	≥ 0.70
16 x 0.35	8.7 ± 0.2	≥ 0.70
19 x 0.35	9.6 ± 0.2	≥ 0.90
21 x 0.35	10.1 ± 0.3	≥ 0.90
25 x 0.35	11.4 ± 0.3	≥ 0.90

Sezione *Size conductor* [mm²]	Diametro esterno *Outer diameter* [mm]	Spessore guaina *Thickness of jacket* [mm]
2 x 0.50	4.6 ± 0.2	≥ 0.50
3 x 0.50	4.9 ± 0.2	≥ 0.50
4 x 0.50	5.4 ± 0.2	≥ 0.60
5 x 0.50	5.9 ± 0.2	≥ 0.60
6 x 0.50	6.5 ± 0.2	≥ 0.60
7 x 0.50	6.5 ± 0.2	≥ 0.60
8 x 0.50	7.1 ± 0.2	≥ 0.60
10 x 0.50	8.2 ± 0.2	≥ 0.60
12 x 0.50	8.5 ± 0.2	≥ 0.60
14 x 0.50	9.1 ± 0.2	≥ 0.70
16 x 0.50	9.6 ± 0.2	≥ 0.70
19 x 0.50	10.6 ± 0.3	≥ 0.90
21 x 0.50	11.3 ± 0.3	≥ 0.90
25 x 0.50	12.6 ± 0.3	≥ 0.90

2 x 0.75	4.9 ± 0.2	≥ 0.50
3 x 0.75	5.3 ± 0.2	≥ 0.50
4 x 0.75	5.7 ± 0.2	≥ 0.50
5 x 0.75	6.3 ± 0.2	≥ 0.60
6 x 0.75	6.9 ± 0.2	≥ 0.60
7 x 0.75	6.9 ± 0.2	≥ 0.60
8 x 0.75	7.6 ± 0.2	≥ 0.60
10 x 0.75	8.8 ± 0.2	≥ 0.60
12 x 0.75	9.1 ± 0.2	≥ 0.60
14 x 0.75	9.8 ± 0.2	≥ 0.70
16 x 0.75	10.4 ± 0.3	≥ 0.70
19 x 0.75	11.3 ± 0.3	≥ 0.90
21 x 0.75	12.1 ± 0.3	≥ 0.90
25 x 0.75	13.5 ± 0.3	≥ 0.90

2 x 1	5.6 ± 0.2	≥ 0.60
3 x 1	6.0 ± 0.2	≥ 0.60
4 x 1	6.6 ± 0.2	≥ 0.60
5 x 1	7.2 ± 0.2	≥ 0.60
6 x 1	7.9 ± 0.2	≥ 0.60
7 x 1	7.9 ± 0.2	≥ 0.60
8 x 1	8.7 ± 0.2	≥ 0.60
10 x 1	10.3 ± 0.3	≥ 0.70
12 x 1	10.7 ± 0.3	≥ 0.80
14 x 1	11.4 ± 0.3	≥ 0.80
16 x 1	12.3 ± 0.3	≥ 1.0
19 x 1	13.1 ± 0.3	≥ 1.0
21 x 1	14.0 ± 0.3	≥ 1.1
25 x 1	16.0 ± 0.4	≥ 1.2

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Sezione *Size conductor* [mm^2]	Diametro esterno *Outer diameter* [mm]	Spessore guaina *Thickness of jacket* [mm]
2 x 1.5	6.5 ± 0.2	≥ 0.60
3 x 1.5	7.0 ± 0.2	≥ 0.70
4 x 1.5	7.6 ± 0.2	≥ 0.70
5 x 1.5	8.4 ± 0.2	≥ 0.70
6 x 1.5	9.2 ± 0.2	≥ 0.70
7 x 1.5	9.2 ± 0.2	≥ 0.70
8 x 1.5	10.2 ± 0.3	≥ 0.70
10 x 1.5	11.9 ± 0.3	≥ 0.70
12 x 1.5	12.6 ± 0.3	≥ 0.80
14 x 1.5	13.2 ± 0.3	≥ 0.80
16 x 1.5	14.1 ± 0.3	≥ 0.90
19 x 1.5	15.2 ± 0.4	≥ 1.1
21 x 1.5	16.4 ± 0.4	≥ 1.2
25 x 1.5	18.5 ± 0.4	≥ 1.2

Sezione *Size conductor* [mm^2]	Diametro esterno *Outer diameter* [mm]	Spessore guaina *Thickness of jacket* [mm]
2 x 2.5	8.0 ± 0.2	≥ 0.70
3 x 2.5	8.6 ± 0.2	≥ 0.70
4 x 2.5	9.4 ± 0.2	≥ 0.70
5 x 2.5	10.4 ± 0.2	≥ 0.70
6 x 2.5	11.4 ± 0.3	≥ 0.70
7 x 2.5	11.4 ± 0.3	≥ 0.70
8 x 2.5	12.7 ± 0.3	≥ 0.80
10 x 2.5	15.0 ± 0.3	≥ 0.90
12 x 2.5	15.7 ± 0.4	≥ 0.90
14 x 2.5	16.6 ± 0.4	≥ 1.0
16 x 2.5	17.5 ± 0.4	≥ 1.0
19 x 2.5	18,9 ± 0.4	≥ 1.2
21 x 2.5	20.2 ± 0.4	≥ 1.2
25 x 2.5	22.8 ± 0.4	≥ 1.2

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Riferimento normativo *Standard reference*	Direttiva Europea Bassa Tensione No. 2014/35/UE, Regolamento Europeo 305/2011 (CPR), DoP No. 0042 *Low Voltage European Directive No. 2014/35/EU, European Regulation 305/2011 (CPR), DoP No. 0042*
Conduttore *Stranding of conductor*	Conduttore flessibile in classe 5 in rame elettrolitico rosso o stagnato, conforme alla norma IEC 60228 (per sezioni maggiori o uguali a 0.50 mm^2) *Class 5 flexible electrolytic bare or tinned copper conductor, complies with IEC 60228 standard (for all conductor sizes greater or equal than 0.50 mm^2)*
Isolamento *Insulation*	Materiale termoplastico privo di alogeni tipo M1conforme alla EN 50363-0, tipo HM2 secondo norma VDE 0207 Parte 24, LTS1 ed LTS3 secondo norma BS7655, durezza : (50 ± 1) Sh-D *Halogen-free thermoplastic material M1 type conforming to EN 50363-0 standard, HM2 type conforming to VDE 0207 Part 24 standard, LTS1 and LTS3 conforming to BS 7655 standard, hardness : (50 ± 1) Sh-A*
Colore isolamento *Color of insulation*	Su richiesta del cliente *On customer's request*
Guaina *Outer sheath*	Materiale termoplastico privo di alogeni tipo M1conforme alla EN 50363-0, tipo HM2 secondo norma VDE 0207 Parte 24, LTS1 ed LTS3 secondo norma BS7655, durezza : (50 ± 1) Sh-D *Halogen-free thermoplastic material M1 type conforming to EN 50363-0 standard, HM2 type conforming to VDE 0207 Part 24 standard, LTS1 and LTS3 conforming to BS 7655 standard, hardness : (50 ± 1) Sh-A*
Colore guaina *Color of outer sheath*	Su richiesta del cliente *On customer's request*
Contenuto di alogeni *Assesment of halogens*	- pH : in conformità alla BS EN 50267-2-2:1999 - conduttività : in conformità alla BS EN 50267-2-2:1999 - quantità di gas acidi alogeni HCl, HBr, HF : in conformità alla EN 50267-2-1:1999 - densità ottica dei fumi : in conformità alla BS EN 61034-2:2005 - indice di ossigeno : in conformità alla ISO 4589 - *pH : accordingly to BS EN 50267-2-2:1999* - *conductivity : accordingly to BS EN 50267-2-2:1999* - *amount of halogen gas acid HCl, HBr, HF : accordingly to EN 50267-2-1:1999* - *smoke density : accordingly to BS EN 61034-2:2005* - *oxygen index : accordingly to ISO 4589*
Marcatura a getto di inchiostro *Ink-jet marking*	SALCAVI TECHNIC SPA ITALY – LiHH No. x SEZIONE CONDUTTORI - SS/AA *SALCAVI TECHNIC SPA ITALY – LiHH No. x SIZE OF CONDCUTOR - WW/YY*

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