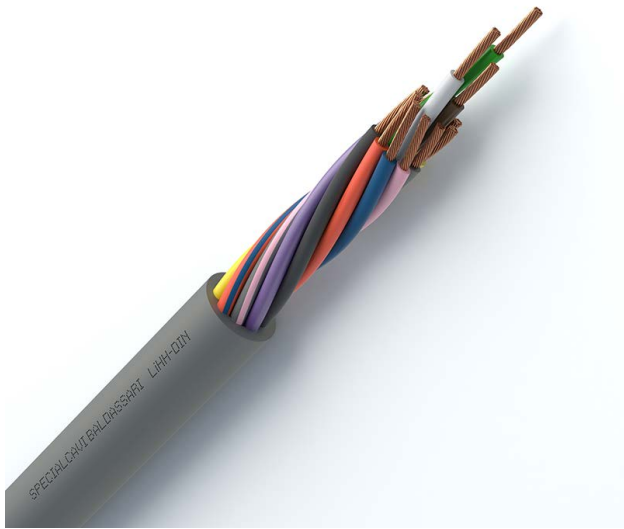




LIHH -DIN



Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI LIHH <formation> IEC 60332-3-24 <lot> <year> CCA-S1A,D0,A1



MANUFACTURING CHARACTERISTICS

Conductor:

Flexible bare copper, class 5

Insulation:

LSZH thermoplastic compound

Stranding:

Cores twisted/stranded in concentric layers

Outer sheath:

LSZH thermoplastic compound

Colours:

Cores identification:

DIN 47100

Outer sheath colour:

Grey (based on RAL 7001)

ELECTRICAL CHARACTERISTICS

Operating voltage: 300/500V

Testing voltage: 2000V

APPLICATIONS

Cable conforms to the requirements in the Construction Products Regulations (CPR EU 305/11), aimed at limiting the production and diffusion of fire and smoke.

Multi-core LSZH cable for control, signalling, command and measurement systems with very low smokes and toxic gases emissions.

It is particularly suitable in sites exposed to fire hazards and where there is high density of people, such as schools, offices, theaters, hospitals, etc.

Suitable for installation in dry or damp indoor environments, in static or limited dynamic installation (not permanently in motion) where there is no mechanical stress.

If stored outdoors, the cable must be protected from UV rays.

Underground laying is not permitted even if protected.

STANDARDS

IEC 60228

IEC 60332-3-24 Cat.C

REACTION TO FIRE CLASS

EN 50575:2016 C_{ca} - s1a, d0, a1

TEMPERATURES

Minimum working temperature:

- Fixed laying -40°C
- Occasional mobile laying w/o stress -5°C

Maximum working temperature:

- Fixed laying +70°C
- Occasional mobile laying w/o stress +70°C

Maximum short circuit temperature: +160°C

LAYING CONDITIONS



Minimum installation temperature -5°C



Min. bending radius: d8 (fixed laying) d15 (occasional mobile laying)



Max tensile stress: 50N/mm² (during installation) 15N/mm² (static stress)



Fixed laying



Occasional mobile laying w/o stress



In duct or cable tray



The cable stored outside must be protected from UV rays

ON REQUEST

- Customized cores identification/outer sheath colours

LIHH -DIN

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*HSLHDIN02502	2 X 0.25	3.8	20	75.00
*HSLHDIN02503	3 X 0.25	4.0	24	75.00
*HSLHDIN02504	4 X 0.25	4.3	29	75.00
*HSLHDIN02505	5 X 0.25	4.7	35	75.00
*HSLHDIN02506	6 X 0.25	5.4	44	75.00
*HSLHDIN02507	7 X 0.25	5.4	46	75.00
*HSLHDIN02508	8 X 0.25	6.2	58	75.00
*HSLHDIN02510	10 X 0.25	6.8	71	75.00
*HSLHDIN02512	12 X 0.25	6.8	75	75.00
*HSLHDIN02514	14 X 0.25	7.1	84	75.00
*HSLHDIN02515	15 X 0.25	7.7	96	75.00
*HSLHDIN02516	16 X 0.25	7.7	98	75.00
*HSLHDIN02518	18 X 0.25	8.1	109	75.00
*HSLHDIN02519	19 X 0.25	8.1	111	75.00
*HSLHDIN02520	20 X 0.25	8.5	121	75.00
*HSLHDIN02521	21 X 0.25	9.0	131	75.00
*HSLHDIN02524	24 X 0.25	9.8	154	75.00
*HSLHDIN02525	25 X 0.25	9.8	156	75.00
*HSLHDIN02527	27 X 0.25	9.8	159	75.00
LIHH 03				
*HSLHDIN03402	2 X 0.34	4.3	26	53.00
*HSLHDIN03403	3 X 0.34	4.5	31	53.00
*HSLHDIN03404	4 X 0.34	4.9	38	53.00
*HSLHDIN03405	5 X 0.34	5.7	49	53.00
*HSLHDIN03406	6 X 0.34	6.1	57	53.00
*HSLHDIN03407	7 X 0.34	6.1	60	53.00
*HSLHDIN03408	8 X 0.34	7.2	80	53.00
*HSLHDIN03410	10 X 0.34	8.0	99	53.00
*HSLHDIN03412	12 X 0.34	8.0	104	53.00
*HSLHDIN03414	14 X 0.34	8.4	117	53.00
*HSLHDIN03415	15 X 0.34	9.0	130	53.00
*HSLHDIN03416	16 X 0.34	9.0	132	53.00
*HSLHDIN03418	18 X 0.34	9.6	150	53.00
*HSLHDIN03419	19 X 0.34	9.6	153	53.00
*HSLHDIN03420	20 X 0.34	10.2	169	53.00
*HSLHDIN03421	21 X 0.34	10.7	184	53.00
*HSLHDIN03424	24 X 0.34	11.3	207	53.00
*HSLHDIN03425	25 X 0.34	11.3	210	53.00
*HSLHDIN03427	27 X 0.34	11.3	215	53.00
LIHH 05				
*HSLHDIN05002	2 X 0.50	4.5	31	39.00
*HSLHDIN05003	3 X 0.50	4.7	37	39.00
*HSLHDIN05004	4 X 0.50	5.5	49	39.00
*HSLHDIN05005	5 X 0.50	5.9	58	39.00
*HSLHDIN05006	6 X 0.50	6.4	69	39.00
*HSLHDIN05007	7 X 0.50	6.4	73	39.00
*HSLHDIN05008	8 X 0.50	7.7	98	39.00
*HSLHDIN05010	10 X 0.50	8.4	119	39.00

LIHH -DIN

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*HSLHDIN05012	12 X 0.50	8.4	127	39.00
*HSLHDIN05014	14 X 0.50	9.0	145	39.00
*HSLHDIN05015	15 X 0.50	9.6	162	39.00
*HSLHDIN05016	16 X 0.50	9.6	166	39.00
*HSLHDIN05018	18 X 0.50	10.1	185	39.00
*HSLHDIN05019	19 X 0.50	10.1	189	39.00
*HSLHDIN05020	20 X 0.50	10.7	207	39.00
*HSLHDIN05021	21 X 0.50	11.2	224	39.00
*HSLHDIN05024	24 X 0.50	12.2	260	39.00
*HSLHDIN05025	25 X 0.50	12.2	264	39.00
*HSLHDIN05027	27 X 0.50	12.2	272	39.00
LIHH 075				
*HSLHDIN07502	2 X 0.75	5.4	44	26.00
*HSLHDIN07503	3 X 0.75	5.6	52	26.00
*HSLHDIN07504	4 X 0.75	6.2	66	26.00
*HSLHDIN07505	5 X 0.75	6.7	80	26.00
*HSLHDIN07506	6 X 0.75	7.5	99	26.00
*HSLHDIN07507	7 X 0.75	7.5	105	26.00
*HSLHDIN07508	8 X 0.75	8.9	135	26.00
*HSLHDIN07510	10 X 0.75	9.9	169	26.00
*HSLHDIN07512	12 X 0.75	9.9	180	26.00
*HSLHDIN07514	14 X 0.75	10.5	206	26.00
*HSLHDIN07515	15 X 0.75	11.0	225	26.00
*HSLHDIN07516	16 X 0.75	11.0	230	26.00
*HSLHDIN07518	18 X 0.75	11.8	263	26.00
*HSLHDIN07519	19 X 0.75	11.8	269	26.00
*HSLHDIN07520	20 X 0.75	12.6	295	26.00
*HSLHDIN07521	21 X 0.75	13.2	319	26.00
*HSLHDIN07524	24 X 0.75	14.2	368	26.00
*HSLHDIN07525	25 X 0.75	14.2	374	26.00
*HSLHDIN07527	27 X 0.75	14.2	385	26.00
LIHH 100				
*HSLHDIN10002	2 X 1.00	5.8	53	19.50
*HSLHDIN10003	3 X 1.00	6.1	65	19.50
*HSLHDIN10004	4 X 1.00	6.7	82	19.50
*HSLHDIN10005	5 X 1.00	7.5	103	19.50
*HSLHDIN10006	6 X 1.00	8.1	122	19.50
*HSLHDIN10007	7 X 1.00	8.1	130	19.50
*HSLHDIN10008	8 X 1.00	9.9	173	19.50
*HSLHDIN10010	10 X 1.00	10.8	210	19.50
*HSLHDIN10012	12 X 1.00	10.8	226	19.50
*HSLHDIN10014	14 X 1.00	11.6	262	19.50
*HSLHDIN10015	15 X 1.00	12.3	287	19.50
*HSLHDIN10016	16 X 1.00	12.3	295	19.50
*HSLHDIN10018	18 X 1.00	12.9	328	19.50
*HSLHDIN10019	19 X 1.00	12.9	336	19.50

LiHH -DIN

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*HSLHDIN10020	20 X 1.00	13.9	375	19.50
*HSLHDIN10021	21 X 1.00	14.6	406	19.50
*HSLHDIN10024	24 X 1.00	15.6	461	19.50
*HSLHDIN10025	25 X 1.00	15.6	469	19.50
*HSLHDIN10027	27 X 1.00	15.6	484	19.50
 				
*HSLHDIN15002	2 X 1.50	6.6	73	13.30
*HSLHDIN15003	3 X 1.50	6.9	89	13.30
*HSLHDIN15004	4 X 1.50	7.8	116	13.30
*HSLHDIN15005	5 X 1.50	8.7	143	13.30
*HSLHDIN15006	6 X 1.50	9.6	174	13.30
*HSLHDIN15007	7 X 1.50	9.6	186	13.30
*HSLHDIN15008	8 X 1.50	11.4	242	13.30
*HSLHDIN15010	10 X 1.50	12.7	299	13.30
*HSLHDIN15012	12 X 1.50	12.7	323	13.30
*HSLHDIN15014	14 X 1.50	13.4	367	13.30
*HSLHDIN15015	15 X 1.50	14.4	412	13.30
*HSLHDIN15016	16 X 1.50	14.4	423	13.30
*HSLHDIN15018	18 X 1.50	15.1	471	13.30
*HSLHDIN15019	19 X 1.50	15.1	483	13.30
*HSLHDIN15020	20 X 1.50	16.3	535	13.30
*HSLHDIN15021	21 X 1.50	17.2	582	13.30
*HSLHDIN15024	24 X 1.50	18.4	667	13.30
*HSLHDIN15025	25 X 1.50	18.4	678	13.30
*HSLHDIN15027	27 X 1.50	18.4	702	13.30
 				
*HSLHDIN25002	2 X 2.50	7.8	108	7.98
*HSLHDIN25003	3 X 2.50	8.2	135	7.98
*HSLHDIN25004	4 X 2.50	9.1	171	7.98
*HSLHDIN25005	5 X 2.50	10.2	216	7.98
*HSLHDIN25006	6 X 2.50	11.1	258	7.98
*HSLHDIN25007	7 X 2.50	11.1	277	7.98
*HSLHDIN25008	8 X 2.50	13.5	363	7.98
*HSLHDIN25010	10 X 2.50	15.0	452	7.98
*HSLHDIN25012	12 X 2.50	15.0	491	7.98
*HSLHDIN25014	14 X 2.50	16.1	566	7.98
*HSLHDIN25015	15 X 2.50	17.0	621	7.98
*HSLHDIN25016	16 X 2.50	17.0	640	7.98
*HSLHDIN25018	18 X 2.50	18.1	725	7.98
*HSLHDIN25019	19 X 2.50	18.1	744	7.98
*HSLHDIN25020	20 X 2.50	19.3	812	7.98
*HSLHDIN25021	21 X 2.50	20.5	887	7.98
*HSLHDIN25024	24 X 2.50	21.8	1010	7.98
*HSLHDIN25025	25 X 2.50	21.8	1029	7.98
*HSLHDIN25027	27 X 2.50	21.8	1068	7.98

¹ According to in-stock availability, cable which must be produced on request and minimum quantity
¹ Unless otherwise specified, the values for weight and diameter are indicative.
 Note: other values, if available and released for publication, are available on request.