SPECIALCAVI **BALDASSARI**

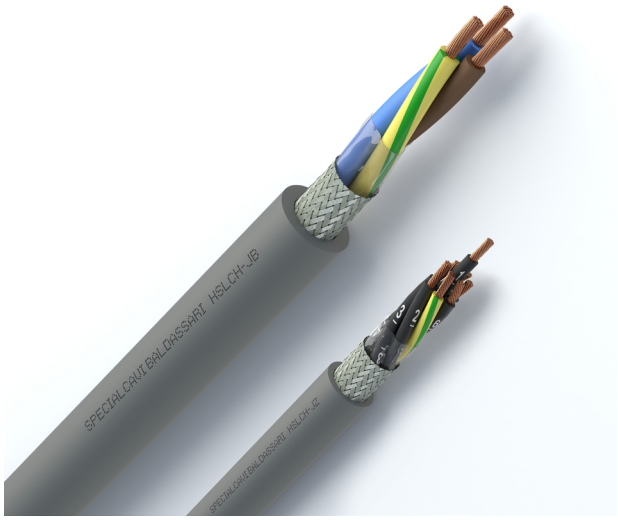
POWER, CONTROL AND SIGNALLING

HSLCH -OB/-JB/-OZ/-JZ

LSZH

CPR COMPLIANT EN 50575 | CE | REACH COMPLIANCE | RoHS COMPLIANT

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI HSLCH <formation> IEC 60332-3-24 <lot> <year> B2CA-S1A,D0,A1



STANDARDS

IEC 60228
IEC 60332-3-24 Cat.C
EN 50363

REACTION TO FIRE CLASS

EN 50575:2016 $B2_{ca}$ - s1a, d0, a1

TEMPERATURES

Minimum working temperature:
- Fixed laying -40°C
- Occasional mobile laying w/o stress -5°C

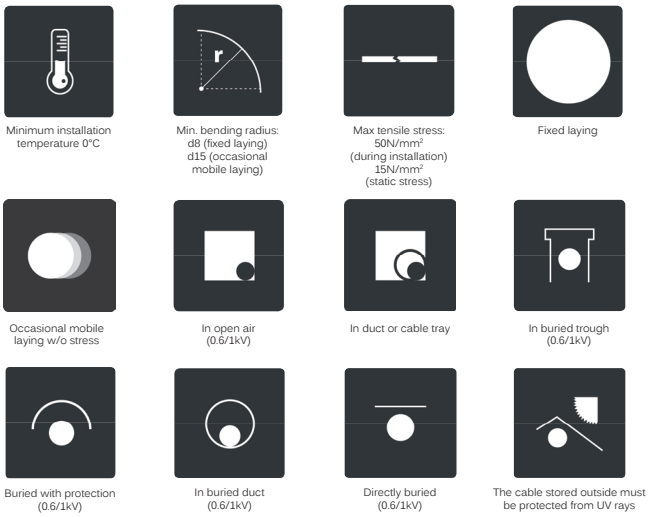
Maximum working temperature:
- Fixed laying +70°C
- Occasional mobile laying w/o stress +70°C

Maximum short circuit temperature: +160°C

MANUFACTURING CHARACTERISTICS

Core:
Flexible bare copper conductor, class 5
Insulation:
LSZH thermoplastic compound, TI6 type
Stranding:
Cores twisted/stranded in concentric layers
Wrapping and protection:
Polyester tape
Screen:
Tinned copper braid
Outher sheath:
LSZH thermoplastic compound, TM7 type
Colours:
Cores identifcation:
HD 308 S2 (-OB/-JB)
Black numbered w/ (-JZ) or w/o Green/Yellow (-OZ)
Outer sheath colour:
Grey (based on RAL 7001)

LAYING CONDITIONS



ELECTRICAL CHARACTERISTICS

Operating voltage:
- 300/500V section ≤ 2.5 mm²
- 450/750V section = 4.00 and 6.00 mm²
- 0.6/1kV section ≥ 10.00 mm²

Testing voltage:
- 2000V section ≤ 2.5 mm²
- 2500V section = 4.00 and 6.00 mm²
- 4000V section ≥ 10.00 mm²

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 power transport and for control, signaling, command and measurement systems with scaled-down outer dimensions and excellent flexibility. Used in industry for machine cabling, transport systems, production lines and in the connection of air conditioning and heating systems, industrial equipment and power stations.
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. The screening helps to protect against electromagnetic interference.
If stored outdoors, the cable must be protected from UV rays.
300/500V and 450/750V: Underground laying is not permitted even if protected.
0.6/1kV: Direct or indirect underground laying is permitted.

HSLCH -OB/-JB/-OZ/-JZ

PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER[1] [mm]	WEIGHT[1] [kg/km]	MAX ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
*LHCHOZ05002	2 X 0.50	5.0	45	39.00
*LHCHJZ05003	3 X 0.50	5.5	55	39.00
*LHCHJZ05004	4 X 0.50	5.9	65	39.00
*LHCHJZ05005	5 X 0.50	6.4	78	39.00
*LHCHJZ05006	6 X 0.50	6.9	89	39.00
*LHCHJZ05007	7 X 0.50	6.9	92	39.00
*LHCHJZ05008	8 X 0.50	8.2	123	39.00
*LHCHJZ05010	10 X 0.50	9.0	138	39.00
*LHCHJZ05012	12 X 0.50	9.0	146	39.00
*LHCHJZ05014	14 X 0.50	9.6	168	39.00
*LHCHJZ05015	15 X 0.50	10.1	187	39.00
*LHCHJZ05016	16 X 0.50	10.1	191	39.00
*LHCHJZ05018	18 X 0.50	10.6	209	39.00
*LHCHJZ05019	19 X 0.50	10.6	213	39.00
*LHCHJZ05020	20 X 0.50	11.2	233	39.00
*LHCHJZ05021	21 X 0.50	11.9	256	39.00
*LHCHJZ05024	24 X 0.50	12.7	279	39.00
*LHCHJZ05025	25 X 0.50	12.7	282	39.00
*LHCHJZ05027	27 X 0.50	12.7	290	39.00
*LHCHJZ05030	30 X 0.50	13.3	343	39.00
*LHCHJZ05032	32 X 0.50	14.0	372	39.00
*LHCHJZ05034	34 X 0.50	14.5	399	39.00
*LHCHJZ05036	36 X 0.50	14.5	409	39.00
*LHCHJZ05037	37 X 0.50	14.5	413	39.00
*LHCHJZ05041	41 X 0.50	15.9	467	39.00
*LHCHJZ05042	42 X 0.50	15.9	471	39.00
*LHCHJZ05048	48 X 0.50	16.6	518	39.00
*LHCHJZ05050	50 X 0.50	17.0	539	39.00
*LHCHJZ05065	65 X 0.50	19.4	699	39.00
*LHCHOZ07502	2 X 0.75	5.9	58	26.00
*LHCHJZ07503	3 X 0.75	6.1	69	26.00
*LHCHJZ07504	4 X 0.75	6.6	83	26.00
*LHCHJZ07505	5 X 0.75	7.4	104	26.00
*LHCHJZ07506	6 X 0.75	8.0	121	26.00
*LHCHJZ07507	7 X 0.75	8.0	127	26.00
*LHCHJZ07508	8 X 0.75	9.8	183	26.00
*LHCHJZ07510	10 X 0.75	10.4	189	26.00
*LHCHJZ07512	12 X 0.75	10.4	201	26.00
*LHCHJZ07514	14 X 0.75	10.9	226	26.00
*LHCHJZ07515	15 X 0.75	11.7	252	26.00
*LHCHJZ07516	16 X 0.75	11.7	258	26.00
*LHCHJZ07518	18 X 0.75	12.4	287	26.00
*LHCHJZ07519	19 X 0.75	12.4	293	26.00
*LHCHJZ07520	20 X 0.75	13.3	348	26.00
*LHCHJZ07521	21 X 0.75	14.1	375	26.00
*LHCHJZ07524	24 X 0.75	14.9	414	26.00

HSLCH -OB/-JB/-OZ/-JZ

PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER[1] [mm]	WEIGHT[1] [kg/km]	MAX ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
*LHCHJZ07525	25 X 0.75	14.9	420	26.00
*LHCHJZ07527	27 X 0.75	14.9	432	26.00
*LHCHJZ07530	30 X 0.75	15.6	467	26.00
*LHCHJZ07532	32 X 0.75	16.3	512	26.00
*LHCHJZ07534	34 X 0.75	16.9	539	26.00
*LHCHJZ07536	36 X 0.75	16.9	555	26.00
*LHCHJZ07537	37 X 0.75	16.9	561	26.00
*LHCHJZ07541	41 X 0.75	18.4	644	26.00
*LHCHJZ07542	42 X 0.75	18.4	650	26.00
*LHCHJZ07548	48 X 0.75	19.3	712	26.00
*LHCHJZ07550	50 X 0.75	19.8	744	26.00
*LHCHJZ07565	65 X 0.75	22.8	976	26.00
*LHCHOZ10002	2 X 1.00	6.3	65	19.50
*LHCHOB10002	2 X 1.00	6.3	65	19.50
*LHCHJZ10003	3 X 1.00	6.5	81	19.50
*LHCHOB10003	3 X 1.00	6.5	81	19.50
*LHCHJB10003	3 X 1.00	6.5	81	19.50
*LHCHJZ10004	4 X 1.00	7.1	99	19.50
*LHCHOB10004	4 X 1.00	7.1	99	19.50
*LHCHJB10004	4 X 1.00	7.1	99	19.50
*LHCHJZ10005	5 X 1.00	7.9	123	19.50
*LHCHJB10005	5 X 1.00	7.9	123	19.50
*LHCHJZ10006	6 X 1.00	8.7	144	19.50
*LHCHJZ10007	7 X 1.00	8.7	152	19.50
*LHCHJZ10008	8 X 1.00	10.3	197	19.50
*LHCHJZ10010	10 X 1.00	11.2	227	19.50
*LHCHJZ10012	12 X 1.00	11.2	243	19.50
*LHCHJZ10014	14 X 1.00	12.1	281	19.50
*LHCHJZ10015	15 X 1.00	12.9	337	19.50
*LHCHJZ10016	16 X 1.00	12.9	345	19.50
*LHCHJZ10018	18 X 1.00	13.8	385	19.50
*LHCHJZ10019	19 X 1.00	13.8	393	19.50
*LHCHJZ10020	20 X 1.00	14.5	426	19.50
*LHCHJZ10021	21 X 1.00	15.2	454	19.50
*LHCHJZ10024	24 X 1.00	16.4	511	19.50
*LHCHJZ10025	25 X 1.00	16.4	518	19.50
*LHCHJZ10027	27 X 1.00	16.4	534	19.50
*LHCHJZ10030	30 X 1.00	17.1	580	19.50
*LHCHJZ10032	32 X 1.00	17.6	623	19.50
*LHCHJZ10034	34 X 1.00	18.5	668	19.50
*LHCHJZ10036	36 X 1.00	18.5	689	19.50
*LHCHJZ10037	37 X 1.00	18.5	697	19.50
*LHCHJZ10041	41 X 1.00	20.2	796	19.50
*LHCHJZ10042	42 X 1.00	20.2	804	19.50

HSLCH -OB/-JB/-OZ/-JZ

PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER[1] [mm]	WEIGHT[1] [kg/km]	MAX ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
*LHCHJZ10048	48 X 1.00	21.1	883	19.50
*LHCHJZ10050	50 X 1.00	21.7	926	19.50
*LHCHJZ10065	65 X 1.00	24.9	1210	19.50
*LHCHOZ15002	2 X 1.50	7.1	85	13.30
*LHCHOB15002	2 X 1.50	7.1	85	13.30
*LHCHJZ15003	3 X 1.50	7.6	109	13.30
*LHCHOB15003	3 X 1.50	7.6	109	13.30
*LHCHJB15003	3 X 1.50	7.6	109	13.30
*LHCHJZ15004	4 X 1.50	8.3	136	13.30
*LHCHOB15004	4 X 1.50	8.3	136	13.30
*LHCHJB15004	4 X 1.50	8.3	136	13.30
*LHCHJZ15005	5 X 1.50	9.5	188	13.30
*LHCHJB15005	5 X 1.50	9.5	188	13.30
*LHCHJZ15006	6 X 1.50	10.1	200	13.30
*LHCHJZ15007	7 X 1.50	10.1	212	13.30
*LHCHJZ15008	8 X 1.50	12.1	273	13.30
*LHCHJZ15010	10 X 1.50	13.4	344	13.30
*LHCHJZ15012	12 X 1.50	13.4	367	13.30
*LHCHJZ15014	14 X 1.50	14.3	423	13.30
*LHCHJZ15015	15 X 1.50	15.0	458	13.30
*LHCHJZ15016	16 X 1.50	15.0	469	13.30
*LHCHJZ15018	18 X 1.50	16.1	534	13.30
*LHCHJZ15019	19 X 1.50	16.1	546	13.30
*LHCHJZ15020	20 X 1.50	17.0	585	13.30
*LHCHJZ15021	21 X 1.50	18.0	640	13.30
*LHCHJZ15024	24 X 1.50	19.2	710	13.30
*LHCHJZ15025	25 X 1.50	19.2	721	13.30
*LHCHJZ15027	27 X 1.50	19.2	745	13.30
*LHCHJZ15030	30 X 1.50	20.1	815	13.30
*LHCHJZ15032	32 X 1.50	20.8	879	13.30
*LHCHJZ15034	34 X 1.50	21.6	930	13.30
*LHCHJZ15036	36 X 1.50	21.6	961	13.30
*LHCHJZ15037	37 X 1.50	21.6	973	13.30
*LHCHJZ15041	41 X 1.50	23.6	1111	13.30
*LHCHJZ15042	42 X 1.50	23.6	1123	13.30
*LHCHJZ15048	48 X 1.50	24.9	1249	13.30
*LHCHJZ15050	50 X 1.50	25.6	1310	13.30
*LHCHJZ15065	65 X 1.50	29.6	1760	13.30
*LHCHOZ25002	2 X 2.50	8.3	120	7.98
*LHCHOB25002	2 X 2.50	8.3	120	7.98
*LHCHJZ25003	3 X 2.50	8.7	151	7.98
*LHCHOB25003	3 X 2.50	8.7	151	7.98
*LHCHJB25003	3 X 2.50	8.7	151	7.98
*LHCHJZ25004	4 X 2.50	9.8	194	7.98

HSLCH -OB/-JB/-OZ/-JZ

PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER[1] [mm]	WEIGHT[1] [kg/km]	MAX ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
*LHCHOB25004	4 X 2.50	9.8	194	7.98
*LHCHJB25004	4 X 2.50	9.8	194	7.98
*LHCHJZ25005	5 X 2.50	10.7	238	7.98
*LHCHJB25005	5 X 2.50	10.7	238	7.98
*LHCHJZ25006	6 X 2.50	11.8	287	7.98
*LHCHJZ25007	7 X 2.50	11.8	306	7.98
*LHCHJZ25008	8 X 2.50	14.4	429	7.98
*LHCHJZ25010	10 X 2.50	15.9	502	7.98
*LHCHJZ25012	12 X 2.50	15.9	541	7.98
*LHCHJZ25014	14 X 2.50	16.8	609	7.98
*LHCHJZ25015	15 X 2.50	17.7	671	7.98
*LHCHJZ25016	16 X 2.50	17.7	691	7.98
*LHCHJZ25018	18 X 2.50	18.8	772	7.98
*LHCHJZ25019	19 X 2.50	18.8	792	7.98
*LHCHJZ25020	20 X 2.50	20.2	868	7.98
*LHCHJZ25021	21 X 2.50	21.2	937	7.98
*LHCHJZ25024	24 X 2.50	22.7	1045	7.98
*LHCHJZ25025	25 X 2.50	22.7	1065	7.98
*LHCHJZ25027	27 X 2.50	22.7	1104	7.98
*LHCHJZ25030	30 X 2.50	23.6	1203	7.98
*LHCHJZ25032	32 X 2.50	24.7	1311	7.98
*LHCHJZ25034	34 X 2.50	25.6	1386	7.98
*LHCHJZ25036	36 X 2.50	25.6	1436	7.98
*LHCHJZ25037	37 X 2.50	25.6	1456	7.98
*LHCHOB40002	2 X 4.00	10.0	169	4.95
*LHCHJB40003	3 X 4.00	10.4	221	4.95
*LHCHJB40004	4 X 4.00	11.7	284	4.95
*LHCHJB40005	5 X 4.00	13.1	381	4.95
*LHCHJZ40007	7 X 4.00	14.4	489	4.95
*LHCHJZ40008	8 X 4.00	16.0	573	4.95
*LHCHJZ40010	10 X 4.00	19.1	732	4.95
*LHCHJZ40012	12 X 4.00	19.1	795	4.95
*LHCHJZ40019	19 X 4.00	22.9	1194	4.95
*LHCHJZ40024	24 X 4.00	27.7	1616	4.95
*LHCHOB100002	2 X 10.00	14.1	378	1.91
*LHCHJB100003	3 X 10.00	14.7	493	1.91
*LHCHJB100004	4 X 10.00	16.6	661	1.91
*LHCHJB100005	5 X 10.00	18.3	787	1.91
*LHCHJZ100007	7 X 10.00	20.3	1037	1.91
*LHCHOB160002	2 X 16.00	16.6	532	1.21
*LHCHJB160003	3 X 16.00	17.3	717	1.21
*LHCHJB160004	4 X 16.00	19.5	964	1.21
*LHCHJB160005	5 X 16.00	21.6	1157	1.21
*LHCHJZ160007	7 X 16.00	23.9	1529	1.21

HSLCH -OB/-JB/-OZ/-JZ

PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER[1] [mm]	WEIGHT[1] [kg/km]	MAX ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
*LHCHOB250002	2 X 25.00	20.1	780	0.780
*LHCHJB250003	3 X 25.00	21.0	1064	0.780
*LHCHJB250004	4 X 25.00	23.6	1443	0.780
*LHCHJB250005	5 X 25.00	26.6	1795	0.780
*LHCHOB350002	2 X 35.00	22.8	1048	0.554
*LHCHJB350003	3 X 35.00	23.9	1432	0.554
*LHCHJB350004	4 X 35.00	27.2	2001	0.554
*LHCHJB350005	5 X 35.00	30.2	2413	0.554
*LHCHOB500002	2 X 50.00	28.6	1566	0.386
*LHCHJB500003	3 X 50.00	30.1	2158	0.386
*LHCHJB500004	4 X 50.00	34.0	2929	0.386
*LHCHJB500005	5 X 50.00	37.9	3532	0.386
*LHCHOB700002	2 X 70.00	32.1	2046	0.272
*LHCHJB700003	3 X 70.00	34.0	2848	0.272
*LHCHJB700004	4 X 70.00	38.4	3900	0.272
*LHCHJB700005	5 X 70.00	42.7	4708	0.272
*LHCHOB950002	2 X 95.00	37.3	2738	0.206
*LHCHJB950003	3 X 95.00	39.4	3837	0.206
*LHCHJB950004	4 X 95.00	44.5	5244	0.206
*LHCHJB950005	5 X 95.00	49.7	6376	0.206
*LHCHOB1200002	2 X 120.00	40.4	3308	0.161
*LHCHJB1200003	3 X 120.00	42.7	4696	0.161
*LHCHJB1200004	4 X 120.00	48.4	6433	0.161
*LHCHOB1500002	2 X 150.00	45.1	4125	0.129
*LHCHJB1500003	3 X 150.00	47.9	5837	0.129
*LHCHJB1500004	4 X 150.00	54.2	7996	0.129
*LHCHOB1850002	2 X 185.00	49.9	5017	0.106
*LHCHJB1850003	3 X 185.00	52.6	7090	0.106
*LHCHJB1850004	4 X 185.00	59.5	9736	0.106
*LHCHOB2400002	2 X 240.00	55.4	6308	0.0801
*LHCHJB2400003	3 X 240.00	58.7	8992	0.0801
*LHCHJB2400004	4 X 240.00	66.6	12404	0.0801

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

ON REQUEST

- Customized cores identification/outer sheath colour