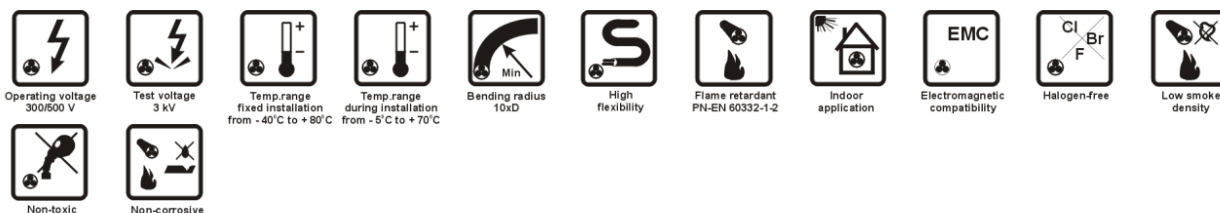


**HSLCH-JZ 300/500 V, HSLCH-OZ 300/500 V,
HSLCH-JB 300/500 V, HSLCH-OB 300/500 V****CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

HSLCH-JZ 300/500 V, HSLCH-OZ 300/500 V, HSLCH-JB 300/500 V and **HSLCH-OB 300/500 V** are flexible, overall shielded cables designed for wet or dry locations and intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

Halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- insulation made of halogen free compound (HFFR), identification colour code:
 - HSLCH-OZ 300/500 V** - black and white conductor number printed on it,
 - HSLCH-OB 300/500 V** - colours in accordance with PN-HD 308 standard,
 - green-yellow protective conductor located in the outer layer in **HSLCH-JZ 300/500 V** and **HSLCH-JB 300/500 V** cable,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- cable sheath made of halogen free compound (HFFR), grey (RAL 7001), other colours also available.

HSLCH-JZ 300/500 V, HSLCH-OZ 300/500 V, HSLCH-JB 300/500 V, HSLCH-OB 300/500 V

CHARACTERISTICS

Conductor cross-section	mm ²	0.5	0.75	1.0	1.5	2.5	4.0
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95
Conductor cross-section	mm ²	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage U _o /U	300/500 V	Corrosivity of emitted gases per	PN-EN 60754-1, PN-EN 60754-2, IEC 60754-2
Voltage test	3.0 kV rms	pH appr.	6.8
Insulation resistance, minimum	20 MΩ·km	conductivity appr.	0.4 μS/mm
Conductor temperature limit in work conditions	+ 70°C	Smoke density	PN-EN 61034-2, IEC 61034-2
at short-circuit	+ 150°C	light transmittance, minimum	70 %
Operating temperature range for fixed installation	from - 40 to + 80°C	Cable combustibility	flame retardant
for movable installation	from - 5 to + 70°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
Minimum bending radius	10 x cable diameter	Reference standards	WT-TK-50

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
HSLCH-JZ 300/500 V				
1795 001	2x0,5	5.3	17.6	39
1795 002	3x0,5	5.6	22.5	47
1795 003	4x0,5	6.2	28.9	60
1795 004	5x0,5	6.7	33.7	70
1795 005	6x0,5	7.2	39.4	82
1795 006	7x0,5	7.2	44.2	85
1795 007	8x0,5	7.7	50.0	97
1795 008	10x0,5	9.1	65.9	124
1795 009	12x0,5	9.4	76.6	140
1795 010	14x0,5	9.8	87.0	155
1795 011	16x0,5	10.3	98.5	174
1795 012	18x0,5	10.8	108.7	193
1795 013	20x0,5	11.3	119.6	212
1795 014	21x0,5	11.3	124.4	214
1795 015	27x0,5	12.9	156.8	268
1795 016	30x0,5	13.3	172.3	291
1795 017	36x0,5	14.3	203.7	342
1795 018	40x0,5	14.8	224.1	371
1795 019	44x0,5	16.2	253.3	418
1795 020	48x0,5	16.5	273.8	448
1795 021	52x0,5	16.9	293.9	477
1795 022	56x0,5	17.4	314.7	509
1795 023	61x0,5	17.9	340.2	545
1795 024	2x0,75	5.7	22.5	46
1795 025	3x0,75	6.1	30.0	59
1795 026	4x0,75	6.6	38.5	71
1795 027	5x0,75	7.1	46.4	84
1795 028	6x0,75	7.7	54.8	100
1795 029	7x0,75	7.7	62.0	104
1795 030	8x0,75	8.3	74.0	123
1795 031	10x0,75	9.8	91.8	152
1795 032	12x0,75	10.1	106.9	171
1795 033	14x0,75	10.6	122.6	193
1795 034	16x0,75	11.1	138.3	216
1795 035	18x0,75	11.7	154.2	240

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1795 036	20x0,75	12.4	169.9	270
1795 037	21x0,75	12.4	177.1	275
1795 038	27x0,75	14.0	224.5	338
1795 039	30x0,75	14.4	247.1	367
1795 040	36x0,75	15.8	300.1	448
1795 041	40x0,75	16.4	330.8	487
1795 042	44x0,75	17.6	363.2	530
1795 043	48x0,75	17.9	393.0	568
1795 044	52x0,75	18.6	423.3	616
1795 045	56x0,75	19.1	453.7	658
1795 046	61x0,75	19.7	491.5	706
1795 047	2x1,0	6.2	28.9	56
1795 048	3x1,0	6.5	38.5	69
1795 049	4x1,0	7.1	48.8	84
1795 050	5x1,0	7.6	59.4	101
1795 051	6x1,0	8.3	74.0	123
1795 052	7x1,0	8.3	83.6	129
1795 053	8x1,0	9.1	94.7	152
1795 054	10x1,0	10.5	117.7	182
1795 055	12x1,0	10.9	137.8	208
1795 056	14x1,0	11.4	158.8	234
1795 057	16x1,0	12.1	178.8	269
1795 058	18x1,0	12.8	199.9	300
1795 059	20x1,0	13.4	220.5	331
1795 060	21x1,0	13.4	230.1	336
1795 061	27x1,0	15.4	298.8	429
1795 062	30x1,0	15.9	329.2	467
1795 063	36x1,0	17.1	390.5	551
1795 064	40x1,0	17.7	430.8	600
1795 065	44x1,0	19.3	473.5	664
1795 066	48x1,0	19.6	512.8	712
1795 067	52x1,0	20.1	552.8	761
1795 068	56x1,0	20.7	593.0	815
1795 069	61x1,0	21.5	642.9	885
1795 070	2x1,5	7.2	39.4	71

HSLCH-JZ 300/500 V, HSLCH-OZ 300/500 V, HSLCH-JB 300/500 V, HSLCH-OB 300/500 V

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1795 071	3x1,5	7.5	54.4	89
1795 072	4x1,5	8.3	74.0	113
1795 073	5x1,5	9.2	91.0	143
1795 074	6x1,5	9.9	106.4	167
1795 075	7x1,5	9.9	120.8	175
1795 076	8x1,5	10.7	137.3	201
1795 077	10x1,5	12.6	170.5	248
1795 078	12x1,5	13.0	200.3	282
1795 079	14x1,5	13.6	230.6	319
1795 080	16x1,5	14.4	261.5	361
1795 081	18x1,5	15.4	298.8	416
1795 082	20x1,5	16.2	330.1	460
1795 083	21x1,5	16.2	344.5	467
1795 084	27x1,5	18.5	437.4	586
1795 085	30x1,5	19.1	482.5	639
1795 086	36x1,5	20.6	573.5	756
1795 087	40x1,5	21.5	633.3	833
1795 088	44x1,5	23.4	718.8	932
1795 089	48x1,5	23.8	778.0	999
1795 090	52x1,5	24.7	838.6	1082
1795 091	56x1,5	25.4	899.1	1155
1795 092	61x1,5	26.1	974.0	1238
1795 093	2x2,5	8.5	64.9	100
1795 094	3x2,5	9.2	91.0	133
1795 095	4x2,5	10.0	116.2	163
1795 096	5x2,5	10.9	142.6	200
1795 097	6x2,5	11.8	168.9	237
1795 098	7x2,5	11.8	192.9	250
1795 099	8x2,5	13.0	219.5	294
1795 100	10x2,5	15.4	279.6	368
1795 101	12x2,5	15.9	329.2	421
1795 102	14x2,5	16.7	379.7	478
1795 103	16x2,5	17.6	430.4	540
1795 104	18x2,5	18.8	481.5	614
1795 105	20x2,5	19.7	532.3	679
1795 106	21x2,5	19.7	556.3	689
1795 107	27x2,5	22.5	708.4	866
1795 108	30x2,5	23.5	805.6	969
1795 109	36x2,5	25.6	957.6	1159
1795 110	40x2,5	26.5	1057.3	1260
1795 111	44x2,5	29.1	1191.0	1420
1795 112	48x2,5	29.6	1290.1	1524
1795 113	52x2,5	30.6	1389.9	1647
1795 114	56x2,5	31.5	1490.7	1762
1795 115	61x2,5	32.4	1615.4	1890
1795 116	2x4	9.7	96.3	140
1795 117	3x4	10.3	136.9	183
1795 118	4x4	11.2	177.0	228
1795 119	5x4	12.4	217.9	288
1795 120	7x4	13.5	297.6	366
1795 121	2x6	10.8	137.5	185
1795 122	3x6	11.4	197.2	246
1795 123	4x6	12.7	257.5	318
1795 124	5x6	13.9	317.8	394
1795 125	7x6	15.5	443.2	522
HSLCH-OZ 300/500 V				

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1725 003	2x0,5	5.3	17.6	39
1725 004	3x0,5	5.6	22.5	47
1725 005	4x0,5	6.2	28.9	60
1725 006	5x0,5	6.7	33.7	70
1725 007	7x0,5	7.2	44.2	85
1725 008	2x0,75	5.7	22.5	46
1725 009	3x0,75	6.1	30.0	59
1725 010	4x0,75	6.6	38.5	71
1725 011	5x0,75	7.1	46.4	84
1725 012	7x0,75	7.7	62.0	104
1725 013	2x1,0	6.2	28.9	56
1725 014	3x1,0	6.5	38.5	69
1725 015	4x1,0	7.1	48.8	84
1725 016	5x1,0	7.6	59.4	101
1725 017	7x1,0	8.3	83.6	129
1725 018	2x1,5	7.2	39.4	71
1725 019	3x1,5	7.5	54.4	89
1725 020	4x1,5	8.3	74.0	113
1725 021	5x1,5	9.2	91.0	143
1725 022	7x1,5	9.9	120.8	175
1725 023	2x2,5	8.5	64.9	100
1725 024	3x2,5	9.2	91.0	133
1725 025	4x2,5	10.0	116.2	163
1725 026	5x2,5	10.9	142.6	200
1725 027	7x2,5	11.8	192.9	250
1725 028	2x4	9.7	96.3	140
1725 029	3x4	10.3	136.9	183
1725 030	4x4	11.2	177.0	228
1725 031	5x4	12.4	217.9	288
1725 032	7x4	13.5	297.6	366
1725 033	2x6	10.8	137.5	185
1725 034	3x6	11.4	197.2	246
1725 035	4x6	12.7	257.5	318
1725 036	5x6	13.9	317.8	394
1725 037	7x6	15.5	443.2	522
HSLCH-JB 300/500 V				
1796 001	3x0,5	5.6	22.5	47
1796 002	5x0,5	6.7	33.7	70
1796 003	3x0,75	6.1	30.0	59
1796 004	5x0,75	7.1	46.4	84
1796 005	3x1,0	6.5	38.5	69
1796 006	5x1,0	7.6	59.4	101
1796 007	3x1,5	7.5	54.4	89
1796 008	5x1,5	9.2	91.0	143
1796 009	3x2,5	9.2	91.0	133
1796 010	5x2,5	10.9	142.6	200
1796 011	3x4	10.3	136.9	183
1796 012	5x4	12.4	217.9	288
1796 013	3x6	11.4	197.2	246
1796 014	5x6	13.9	317.8	394
HSLCH-OB 300/500 V				
1797 001	2x0,5	5.3	17.6	39
1797 002	4x0,5	6.2	28.9	60

**HSLCH-JZ 300/500 V, HSLCH-OZ 300/500 V,
HSLCH-JB 300/500 V, HSLCH-OB 300/500 V**

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1797 003	2x0,75	5.7	22.5	46
1797 004	4x0,75	6.6	38.5	71
1797 005	2x1,0	6.2	28.9	56
1797 006	4x1,0	7.1	48.8	84
1797 007	2x1,5	7.2	39.4	71
1797 008	4x1,5	8.3	74.0	113

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1797 009	2x2,5	8.5	64.9	100
1797 010	4x2,5	10.0	116.2	163
1797 011	2x4	9.7	96.3	140
1797 012	4x4	11.2	177.0	228
1797 013	2x6	10.8	137.5	185
1797 014	4x6	12.7	257.5	318

Other cross-sections and conductor counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.