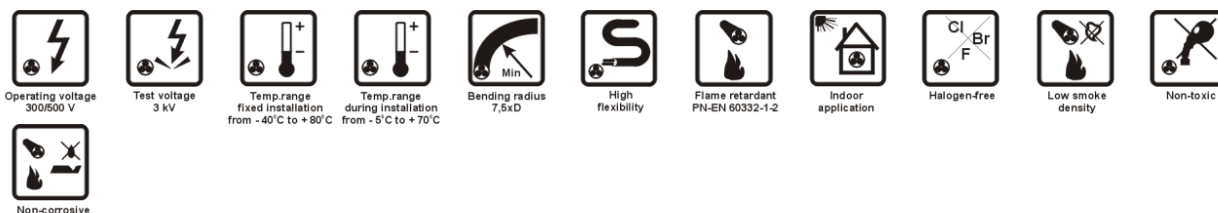


**HSLH-JZ 300/500 V, HSLH-OZ 300/500 V
HSLH-JB 300/500 V, HSLH-OB 300/500 V****CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

HSLH-JZ 300/500 V, HSLH-OZ 300/500 V, HSLH-JB 300/500 V and **HSLH-OB 300/500 V** are flexible 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.

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:
 - HSLH-OZ 300/500 V** - black and white conductor number printed on it,
 - HSLH-OB 300/500 V** - colours in accordance with PN-HD 308 standard,
 - green-yellow protective conductor located in the outer layer in **HSLH-JZ 300/500 V** and **HSLH-JB 300/500 V** cable,
- insulated conductors laid-up in layers,
- cable sheath made of halogen free compound (HFFR), grey (RAL 7001), other colours also available.

HSLH-JZ 300/500 V, HSLH-OZ 300/500 V HSLH-JB 300/500 V, HSLH-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 ₀ /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	7.5 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
HSLH-JZ 300/500 V				
1787 001	2x0,5	4.8	9.6	36
1787 002	3x0,5	5.1	14.4	43
1787 003	4x0,5	5.5	19.2	51
1787 004	5x0,5	6.2	24.0	65
1787 005	6x0,5	6.7	28.8	76
1787 006	7x0,5	6.7	33.6	79
1787 007	8x0,5	7.2	38.4	90
1787 008	10x0,5	8.3	48.0	109
1787 009	12x0,5	8.6	57.6	123
1787 010	14x0,5	9.2	67.2	142
1787 011	16x0,5	9.7	76.8	160
1787 012	18x0,5	10.2	86.4	177
1787 013	20x0,5	10.7	96.0	196
1787 014	21x0,5	10.7	100.8	198
1787 015	27x0,5	12.3	129.6	251
1787 016	30x0,5	12.7	144.0	273
1787 017	36x0,5	13.7	172.8	322
1787 018	40x0,5	14.2	192.0	350
1787 019	44x0,5	15.5	211.2	390
1787 020	48x0,5	15.8	230.4	417
1787 021	52x0,5	16.2	249.6	446
1787 022	56x0,5	16.7	268.8	477
1787 023	61x0,5	17.2	292.8	511
1787 024	2x0,75	5.2	14.4	44
1787 025	3x0,75	5.4	21.6	51
1787 026	4x0,75	6.1	28.8	65
1787 027	5x0,75	6.6	36.0	79
1787 028	6x0,75	7.2	43.2	93
1787 029	7x0,75	7.2	50.4	97
1787 030	8x0,75	7.7	57.6	111
1787 031	10x0,75	9.2	72.0	141
1787 032	12x0,75	9.5	86.4	159
1787 033	14x0,75	10.0	100.8	179

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
1787 034	16x0,75	10.5	115.2	201
1787 035	18x0,75	11.1	129.6	225
1787 036	20x0,75	11.6	144.0	248
1787 037	21x0,75	11.6	151.2	252
1787 038	27x0,75	13.4	194.4	320
1787 039	30x0,75	13.8	216.0	348
1787 040	36x0,75	14.9	259.2	412
1787 041	40x0,75	15.7	288.0	457
1787 042	44x0,75	16.9	316.8	500
1787 043	48x0,75	17.2	345.6	536
1787 044	52x0,75	17.7	374.4	574
1787 045	56x0,75	18.4	403.2	624
1787 046	61x0,75	19.0	439.2	670
1787 047	2x1,0	5.5	19.2	51
1787 048	3x1,0	6.0	28.8	65
1787 049	4x1,0	6.6	38.4	79
1787 050	5x1,0	7.1	48.0	95
1787 051	6x1,0	7.7	57.6	113
1787 052	7x1,0	7.7	67.2	118
1787 053	8x1,0	8.3	76.8	136
1787 054	10x1,0	9.9	96.0	172
1787 055	12x1,0	10.3	115.2	195
1787 056	14x1,0	10.8	134.4	220
1787 057	16x1,0	11.3	153.6	248
1787 058	18x1,0	12.2	172.8	284
1787 059	20x1,0	12.8	192.0	314
1787 060	21x1,0	12.8	201.6	319
1787 061	27x1,0	14.5	259.2	397
1787 062	30x1,0	15.2	288.0	441
1787 063	36x1,0	16.4	345.6	522
1787 064	40x1,0	17.0	384.0	569
1787 065	44x1,0	18.6	422.4	633
1787 066	48x1,0	18.9	460.8	679
1787 067	52x1,0	19.4	499.2	727

HSLH-JZ 300/500 V, HSLH-OZ 300/500 V HSLH-JB 300/500 V, HSLH-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
1787 068	56x1,0	20.0	537.6	779
1787 069	61x1,0	20.6	585.6	837
1787 070	2x1,5	6.7	28.8	76
1787 071	3x1,5	7.0	43.2	90
1787 072	4x1,5	7.7	57.6	110
1787 073	5x1,5	8.4	72.0	135
1787 074	6x1,5	9.3	86.4	164
1787 075	7x1,5	9.3	100.8	173
1787 076	8x1,5	10.1	115.2	200
1787 077	10x1,5	11.8	144.0	245
1787 078	12x1,5	12.4	172.8	285
1787 079	14x1,5	13.0	201.6	322
1787 080	16x1,5	13.8	230.4	365
1787 081	18x1,5	14.5	259.2	407
1787 082	20x1,5	15.5	288.0	460
1787 083	21x1,5	15.5	302.4	468
1787 084	27x1,5	17.6	388.8	583
1787 085	30x1,5	18.4	432.0	646
1787 086	36x1,5	19.9	518.4	767
1787 087	40x1,5	20.6	576.0	837
1787 088	44x1,5	22.5	633.6	929
1787 089	48x1,5	22.9	691.2	998
1787 090	52x1,5	23.6	748.8	1071
1787 091	56x1,5	24.5	806.4	1160
1787 092	61x1,5	25.2	878.4	1246
1787 093	2x2,5	7.9	48.0	109
1787 094	3x2,5	8.4	72.0	134
1787 095	4x2,5	9.4	96.0	169
1787 096	5x2,5	10.3	120.0	207
1787 097	6x2,5	11.2	144.0	247
1787 098	7x2,5	11.2	168.0	261
1787 099	8x2,5	12.4	192.0	308
1787 100	10x2,5	14.5	240.0	379
1787 101	12x2,5	15.2	288.0	440
1787 102	14x2,5	16.0	336.0	499
1787 103	16x2,5	16.9	384.0	566
1787 104	18x2,5	17.9	432.0	634
1787 105	20x2,5	19.0	480.0	712
1787 106	21x2,5	19.0	504.0	725
1787 107	27x2,5	21.8	648.0	918
1787 108	30x2,5	22.6	720.0	1005
1787 109	36x2,5	24.7	864.0	1208
1787 110	40x2,5	25.6	960.0	1319
1787 111	44x2,5	28.0	1056.0	1463
1787 112	48x2,5	28.5	1152.0	1573
1787 113	52x2,5	29.3	1248.0	1688
1787 114	56x2,5	30.2	1344.0	1811
1787 115	61x2,5	31.3	1464.0	1964
1787 116	2x4	9.1	76.8	152
1787 117	3x4	9.7	115.2	189
1787 118	4x4	10.6	153.6	232
1787 119	5x4	11.6	192.0	287
1787 120	7x4	12.9	268.8	372

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
1787 121	2x6	10.2	115.2	203
1787 122	3x6	10.8	172.8	254
1787 123	4x6	12.1	230.4	323
1787 124	5x6	13.3	288.0	399
1787 125	7x6	14.6	403.2	513
HSLH-OZ 300/500 V				
1788 001	2x0,5	4.8	9.6	36
1788 002	3x0,5	5.1	14.4	43
1788 003	4x0,5	5.5	19.2	51
1788 004	5x0,5	6.2	24.0	65
1788 005	7x0,5	6.7	33.6	79
1788 006	2x0,75	5.2	14.4	44
1788 007	3x0,75	5.4	21.6	51
1788 008	4x0,75	6.1	28.8	65
1788 009	5x0,75	6.6	36.0	79
1788 010	7x0,75	7.2	50.4	97
1788 011	2x1,0	5.5	19.2	51
1788 012	3x1,0	6.0	28.8	65
1788 013	4x1,0	6.6	38.4	79
1788 014	5x1,0	7.1	48.0	95
1788 015	7x1,0	7.7	67.2	118
1788 016	2x1,5	6.7	28.8	76
1788 017	3x1,5	7.0	43.2	90
1788 018	4x1,5	7.7	57.6	110
1788 019	5x1,5	8.4	72.0	135
1788 020	7x1,5	9.3	100.8	173
1788 021	2x2,5	7.9	48.0	109
1788 022	3x2,5	8.4	72.0	134
1788 023	4x2,5	9.4	96.0	169
1788 024	5x2,5	10.3	120.0	207
1788 025	7x2,5	11.2	168.0	261
1788 026	2x4	9.1	76.8	152
1788 027	3x4	9.7	115.2	189
1788 028	4x4	10.6	153.6	232
1788 029	5x4	11.6	192.0	287
1788 030	7x4	12.9	268.8	372
1788 031	2x6	10.2	115.2	203
1788 032	3x6	10.8	172.8	254
1788 033	4x6	12.1	230.4	323
1788 034	5x6	13.3	288.0	399
1788 035	7x6	14.6	403.2	513
HSLH-JB 300/500 V				
1789 001	3x0,5	5.1	14.4	43
1789 002	5x0,5	6.2	24.0	65
1789 003	3x0,75	5.4	21.6	51
1789 004	5x0,75	6.6	36.0	79
1789 005	3x1,0	6.0	28.8	65
1789 006	5x1,0	7.1	48.0	95
1789 007	3x1,5	7.0	43.2	90

HSLH-JZ 300/500 V, HSLH-OZ 300/500 V HSLH-JB 300/500 V, HSLH-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
1789 008	5x1,5	8.4	72.0	135
1789 009	3x2,5	8.4	72.0	134
1789 010	5x2,5	10.3	120.0	207
1789 011	3x4	9.7	115.2	189
1789 012	5x4	11.6	192.0	287
1789 013	3x6	10.8	172.8	254
1789 014	5x6	13.3	288.0	399
HSLH-OB 300/500 V				
1790 001	2x0,5	4.8	9.6	36
1790 002	4x0,5	5.5	19.2	51
1790 003	2x0,75	5.2	14.4	44

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
1790 004	4x0,75	6.1	28.8	65
1790 005	2x1,0	5.5	19.2	51
1790 006	4x1,0	6.6	38.4	79
1790 007	2x1,5	6.7	28.8	76
1790 008	4x1,5	7.7	57.6	110
1790 009	2x2,5	7.9	48.0	109
1790 010	4x2,5	9.4	96.0	169
1790 011	2x4	9.1	76.8	152
1790 012	4x4	10.6	153.6	232
1790 013	2x6	10.2	115.2	203
1790 014	4x6	12.1	230.4	323

Other cross-sections and conductor counts available on request.

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