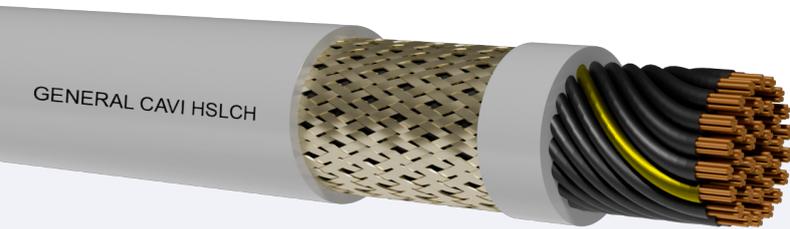


# HSLCH-OZ/JZ 300/500V

[D] LSZH

Model Product: - 20160309



Class 5 flexible copper conductor.  
LSZH insulation  
Tinned copper wires braid screen (Kf>75%)  
Thermoplastic LSOH

## STANDARDS

VDE 0472 / IEC 60332-1 VDE 0295 / IEC 60228 CL.5 VDE 0290; 0290; 0281; 0245; 0293. EN 50267 / IEC 60754-2 / DIN VDE 0472-813 EN 50268 / IEC61034 / DIN VDE 0472-816

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 2)

## COMMON FEATURES

LSZH Multiconductor oil resistant screened cables suitable for connection to fixed or mobile devices, for signalling and control system. Suitable for indoor environment (dry or wet), and for outdoor environment (only for a temporary and protected use). The selected raw materials and small outer dimensions, guarantee a good flexibility, and reduced weight, as well as a safe, economic and fast installation. A system operating voltage can always overflow the 10% of its standard voltage.

## EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):

20 x external diam. (mobile installation)

10 x external diam. (fixed installation)

Maximum pulling stress: 50 N/mm<sup>2</sup> (during installation)

15 N/mm<sup>2</sup> (static stress)

## PACKING

100m ring inside Heat Shrink Packaging

500m, 1000m drum.

LSZH FLEXIBLE, SCREENED, NUMBER CODED, CABLES FOR MEASURING AND CONTROL INSTALLATION.

Nominal voltage U0: 300 V

Nominal voltage U: 500 V

Test voltage: 4000 V

Maximum operating temperature: +70°C

Minimum installation and laying temperature: -5°C

Min. operating temperature (without mechanical shocks): -40°C

## CORE COLOURS

Multicores: black core with white numbering (OZ) + GreenYellow core (JZ).

## SHEATH COLOUR

Grey RAL 7001

## INK MARKING

GENERAL CAVI HSLCH-JZ /OZ 300/500V [n° cond] x [sec.] batch number  
Batch Data

## NOTE

TEMPERATURE RANGE flexing: -5 +70°C

TEMPERATURE fixed installation without mechanical shocks: -40 +80°C

Colour coded cores on request (OB/ JB) HD 308

Made with compound suitable for IEC / EN 60332-3-24

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	Cond.xSec (N°xmmq)	Outer diameter (mm)	Weight (kg/km)		Cond.xSec (N°xmmq)	Outer diameter (mm)	Weight (kg/km)
Multicores							
-	2x0.50	5.4	41	-	2x1.5	6.7	67
-	3x0.50	5.7	50	-	3x1.5	7	85
-	4x0.50	6.1	59	-	4x1.5	7.9	106
-	5x0.50	6.6	72	-	5x1.5	8.6	130
-	6x0.50	7.1	82	-	6x1.5	9.2	155
-	7x0.50	7.1	85	-	7x1.5	9.2	165
-	8x0.50	8.1	110	-	8x1.5	10.5	215
-	10x0.50	9.1	123	-	10x1.5	12.1	245
-	12x0.50	9.4	138	-	12x1.5	12.5	280
-	14x0.50	10	159	-	14x1.5	13.1	315
-	16x0.50	10.5	175	-	16x1.5	13.8	350
-	18x0.50	11	198	-	18x1.5	14.5	395
-	21x0.50	12.5	230	-	21x1.5	15.6	440
-	25x0.50	13.2	260	-	25x1.5	16.7	510
-	2x0.75	5.8	49	-	2x2.5	7.9	95
-	3x0.75	6.1	60	-	3x2.5	8.4	125
-	4x0.75	6.6	73	-	4x2.5	9.1	155
-	5x0.75	7.2	87	-	5x2.5	10.1	190
-	6x0.75	7.9	104	-	6x2.5	11	230
-	7x0.75	7.9	110	-	7x2.5	11	245
-	8x0.75	8.8	138	-	8x2.5	12.5	290
-	10x0.75	10	155	-	10x2.5	14.1	350
-	12x0.75	10,3	175	-	12x2.5	14.6	405
-	14x0.75	10.8	200	-	14x2.5	15.3	460
-	16x0.75	11.5	220	-	16x2.5	16.1	520
-	18x0.75	12.2	255	-	18x2.5	18.2	570
-	21x0.75	13.6	290	-	21x2.5	19.4	660
-	25x0.75	14.4	325	-	25x2.5	21	770
-	2x1	6.3	56	-	2x4	9	130
-	3x1	6.6	70	-	3x4	9.9	175
-	4x1	7.2	85	-	4x4	10.8	220
-	5x1	8	105	-	5x4	11.7	270
-	6x1	8.7	125	-	2x6	10.5	180
-	7x1	8.7	130	-	3x6	11	240
-	8x1	9.9	170	-	4x6	12.5	310

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	Cond.xSec (N°xmmq)	Outer diameter (mm)	Weight (kg/km)		Cond.xSec (N°xmmq)	Outer diameter (mm)	Weight (kg/km)
-	10x1	11	190	-	5x6	13.6	385
-	12x1	11.3	215	-	2x10	13.9	302
-	14x1	12.2	250	-	3x10	14.8	410
-	16x1	12.8	280	-	4x10	16.3	523
-	18x1	13.5	315	-	5x10	17.9	637
-	21x1	15	360	-			
-	25x1	16	410	-			
-	-	-	-	-	-	-	-
-	2x16	16.3	433	-	2x25	19.3	616
-	3x16	17.4	598	-	3x25	20.6	864
-	4x16	19.2	769	-	4x25	23	1128
-	5x16	21.1	941	-	5x25	25.4	1384
-	-	-	-	-	-	-	-
-	2x35	20.8	900	-	2x50	24.4	1250
-	3x35	22.5	1200	-	3x50	26.2	1654
-	4x35	24.9	1530	-	4x50	29.3	2127
-	5x35	27.6	1866	-	5x50	33	2641

Minimum Order Quantity request.