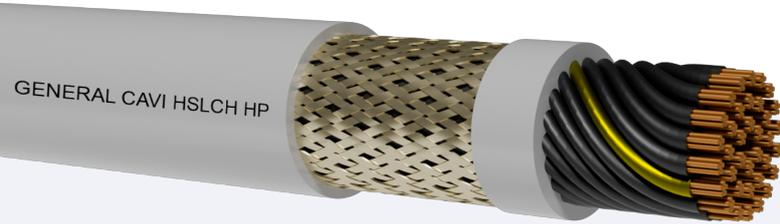


# HSLCH HP -OZ/JZ 300/500V

[D][BE] LSZH CPR Cca-s1b,d2,a1

Model Product: B85-B86-B87-B88 - 20210624



Class 5 flexible copper conductor.  
LSZH insulation  
Tinned copper wires braid screen (Kf>75%)  
Thermoplastic LS0H

## 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  
EN 50575:2014 + EN 50575/A1:2016

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

## COMMON FEATURES

For electrical power system in constructions and other civil engineering buildings, in order to limit fire and smoke production and spread, in accordance with the CPR. 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. UV resistant according to EN 50289-4-17 method A (720h)  
Oil resistant EN 50290-2-22,  
Environment AF3,AG3, AH1,AD7

## 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 Cca-s1,d2,a1 HSLCH HP-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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## HSLCH HP-OZ/JZ

	Cond.xSec (N°xmmq)	Outer diameter (mm)	Weight (kg/km)		Cond.xSec (N°xmmq)	Outer diameter (mm)	Weight (kg/km)
Multicores							
-	2x0.50	5.7	41	-	2x1.5	6.7	67
-	3x0.50	6.0	50	-	3x1.5	7	85
-	4x0.50	6.4	59	-	4x1.5	7.9	106
-	5x0.50	6.9	72	-	5x1.5	8.6	130
-	6x0.50	7.3	82	-	6x1.5	9.2	155
-	7x0.50	7.3	85	-	7x1.5	9.2	165
-	8x0.50	8.3	110	-	8x1.5	10.5	215
-	10x0.50	9.3	123	-	10x1.5	12.1	245
-	12x0.50	9.7	138	-	12x1.5	12.5	280
-	14x0.50	10.2	159	-	14x1.5	13.1	315
-	16x0.50	10.7	175	-	16x1.5	13.8	350
-	18x0.50	11.2	198	-	18x1.5	14.5	395
-	21x0.50	12.7	230	-	21x1.5	15.6	440
-	25x0.50	13.4	260	-	25x1.5	16.7	510
-	2x0.75	6.1	49	-	2x2.5	7.9	95
-	3x0.75	6.4	60	-	3x2.5	8.4	125
-	4x0.75	6.9	73	-	4x2.5	9.1	155
-	5x0.75	7.5	87	-	5x2.5	10.1	190
-	6x0.75	8.1	104	-	6x2.5	11	230
-	7x0.75	8.1	110	-	7x2.5	11	245
-	8x0.75	9.0	138	-	8x2.5	12.5	290
-	10x0.75	10.2	155	-	10x2.5	14.1	350
-	12x0.75	10.5	175	-	12x2.5	14.6	405
-	14x0.75	11.0	200	-	14x2.5	15.3	460
-	16x0.75	11.7	220	-	16x2.5	16.1	520
-	18x0.75	12.4	255	-	18x2.5	18.4	570
-	21x0.75	13.8	290	-	21x2.5	19.6	660
-	25x0.75	14.6	325	-	25x2.5	21.2	770
-	2x1	6.6	56	-	2x4	9.4	130
-	3x1	6.9	70	-	3x4	10.2	175
-	4x1	7.5	85	-	4x4	11.1	220
-	5x1	8.3	105	-	5x4	12.2	270
-	6x1	8.9	125	-	2x6	10.8	180
-	7x1	8.9	130	-	3x6	11.3	240
-	8x1	10.1	170	-	4x6	12.8	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	11.2	190	-	5x6	13.9	385
-	12x1	11.5	215	-	2x10	14.2	302
-	14x1	12.4	250	-	3x10	15.1	410
-	16x1	13.0	280	-	4x10	16.3	523
-	18x1	13.7	315	-	5x10	17.9	637
-	21x1	15.2	360	-			
-	25x1	16.2	410	-			
-	-	-	-	-	-	-	-
-	2x16	16.6	433	-	2x25	19.3	616
-	3x16	17.7	598	-	3x25	20.6	864
-	4x16	19.5	769	-	4x25	23	1128
-	5x16	21.5	941	-	5x25	25.4	1384
-	-	-	-	-	-	-	-
-	2x35	21.1	900	-	2x50	24.4	1250
-	3x35	22.8	1200	-	3x50	26.2	1654
-	4x35	25.2	1530	-	4x50	29.3	2127
-	5x35	27.9	1866	-	5x50	33	2641

Minimum Order Quantity request.