

HSLCH HP -OZ/JZ 300/500V

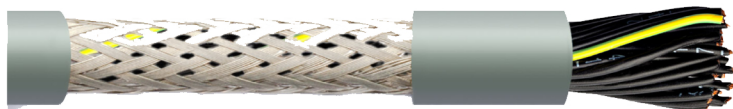
[D][BE] LSZH CPR Cca-s1b,d2,a1

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

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

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



Class 5 flexible copper conductor.

LSZH insulation

Tinned copper wires braid screen (Kf>75%)

Thermoplastic LS0H

| | |
|--|--------|
| Nominal voltage U0 | 300 V |
| Nominal voltage U | 500 V |
| Test voltage | 4000 V |
| Maximum operating temperature | +70°C |
| Min. operating temperature (without mechanical shocks) | -40°C |
| Minimum installation and use temperature | -5°C |

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.

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/mm² (during installation)

15 N/mm² (static stress)

Packing

100m ring inside Heat Shrink Packaging

500m, 1000m drum.

Core colours

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

Sheath colour

Grey RAL 7001

Ink marking

GENERAL CAVI Cca-s1b,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



Tel. +31 (0) 183-617 109

Mail: info@helmacab.nl

Website: www.helmacab.nl

HSLCH HP -OZ/JZ 300/500V

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

HSLCH HP-OZ/JZ

| | Cond.xSec (N°xmmq) | Outer diameter (mm) | Weight (kg/km) | | Cond.xSec (N°xmmq) | Outer diameter (mm) | Weight (kg/km) |
|-----------------------|-----------------------|------------------------|-------------------|---|-----------------------|------------------------|-------------------|
| Multipli / 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 |
| - | 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 |

