

HSLH HP -JZ/OZ 300/500V

[D][BE] LSZH CPR Cca-s1, d2, a1

Model Product: B89-B90-B91-B92 - 20231024



Class 5 flexible copper conductor.
LSZH insulation
LSZH sheath.

STANDARDS

VDE 0472 / 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

LSZH Multiconductor oil resistant 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. Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke. 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):
15 x external diam. (mobile installation)
6 x external diam. (fixed installation)
Maximum pulling stress: 50 N/mm² (during installation)
15 N/mm² (static stress)

PACKING

Drums to agree

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

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

Minimum installation and laying temperature: -5°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 HSLH 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
Made with compound suitable for IEC / EN 60332-3-24
Colour coded cores on request (OB/ JB)HD 308

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Tabella Dimensionali/Dimensional table

	Cond.xSec (N°xmmq)	Outer diameter (mm)	Weight (kg/km)		Cond.xSec (N°xmmq)	Outer diameter (mm)	Weight (kg/km)
Multicores							
-	2x0.50	5.1	32	-	2x1.5	6.3	58
-	3x0.50	5.4	39	-	3x1.5	6.7	72
-	4x0.50	5.8	47	-	4x1.5	7.5	93
-	5x0.50	6.3	55	-	5x1.5	8.1	111
-	6x0.50	6.7	64	-	6x1.5	8.7	129
-	7x0.50	6.7	71	-	7x1.5	8.7	144
-	8x0.50	7.7	83	-	8x1.5	9.9	169
-	10x0.50	8.6	101	-	10x1.5	11.2	205
-	12x0.50	8.9	115	-	12x1.5	11.8	243
-	14x0.50	9.3	131	-	14x1.5	12.3	278
-	16x0.50	10.5	151	-	16x1.5	13.0	312
-	18x0.50	10.5	166	-	18x1.5	13.7	346
-	21x0.50	11.9	197	-	21x1.5	15.3	400
-	25x0.50	12.7	228	-	25x1.5	16.4	467
-	27x0.50	12.7	242	-	2x2.5	7.4	85
-	30x0.50	13.1	264	-	3x2.5	7.8	108
-	34x0.50	14.1	296	-	4x2.5	8.6	135
-	-	-	-	-	5x2.5	9.3	162
-	-	-	-	-	6x2.5	10.3	195
-	2x0.75	5.5	40	-	7x2.5	10.3	219
-	3x0.75	5.8	48	-	8x2.5	11.5	250
-	4x0.75	6.3	59	-	10x2.5	13.2	310
-	5x0.75	6.8	70	-	12x2.5	13.6	361
-	6x0.75	7.5	85	-	14x2.5	14.3	414
-	7x0.75	7.5	94	-	16x2.5	15.1	467
-	8x0.75	8.5	106	-	18x2.5	16.0	519
-	10x0.75	9.6	133	-	21x2.5	18.1	602
-	12x0.75	9.9	153	-	25x2.5	19.3	705
-	14x0.75	10.4	174	-	2x4	8.9	127
-	16x0.75	10.9	195	-	3x4	9.7	167
-	18x0.75	11.7	221	-	4x4	10.6	209
-	21x0.75	12.6	256	-	5x4	11.6	252
-	25x0.75	13.9	297	-	2x6	10.3	179
-	27x0.75	13.9	315	-	3x6	11.0	232
-	30x0.75	14.4	345	-	4x6	12.1	298



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-	34x0.75	15.5	388	-	5x6	13.4	360
-	-	-	-	-	2x10	13.7	314
-	-	-	-	-	3x10	14.6	407
-	2x1	5.6	47	-	4x10	16.1	514
-	3x1	5.9	58	-	5x10	17.7	623
-	4x1	6.5	71	-	2x16	16.3	416
-	5x1	7.3	88	-	3x16	17.2	605
-	6x1	7.9	102	-	4x16	19.0	769
-	7x1	7.9	113	-	5x16	20.9	950
-	8x1	8.8	128	-	2x25	19.1	673
-	10x1	10.2	160	-	3x25	20.4	910
-	12x1	10.5	185	-	4x25	22.8	1165
-	14x1	11.1	211	-	5x25	25.2	1417
-	16x1	11.9	242	-	2x35	21.1	916
-	18x1	12.5	268	-	3x35	22.8	1217
-	21x1	14	310	-	4x35	25.2	1549
-	25x1	14.9	361	-	5x35	27.9	1889
-	27x1	14.9	384	-	2x50	24.7	1270
-	30x1	15.5	421	-	3x50	26.5	1675
-	34x1	16.7	473	-	4x50	29.6	2151
-	37x1	16.7	507	-	5x50	33.3	2671