

LIYY HP -OZ/JZ 300/500V

CPR Cca-s3,d1,a3



Standards

Flexible conductor, class 5 copper

PVC Insulation in TI2 quality.

PVC sheath in TM2 quality.

Common features

For electrical power systems in constructions and other civil engineering buildings. Multiconductor oil resistant cables suitable for connection to fixed or mobile devices for signalling and control systems.

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. A system operating voltage can always overflow 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.

Nominal voltage U_0	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

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

Core colours

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

Sheath colour

Grey RAL 7001

Ink marking

GENERAL CAVI Cca-s3,d1,a3 LIYY HP-JZ 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 or DIN 47100



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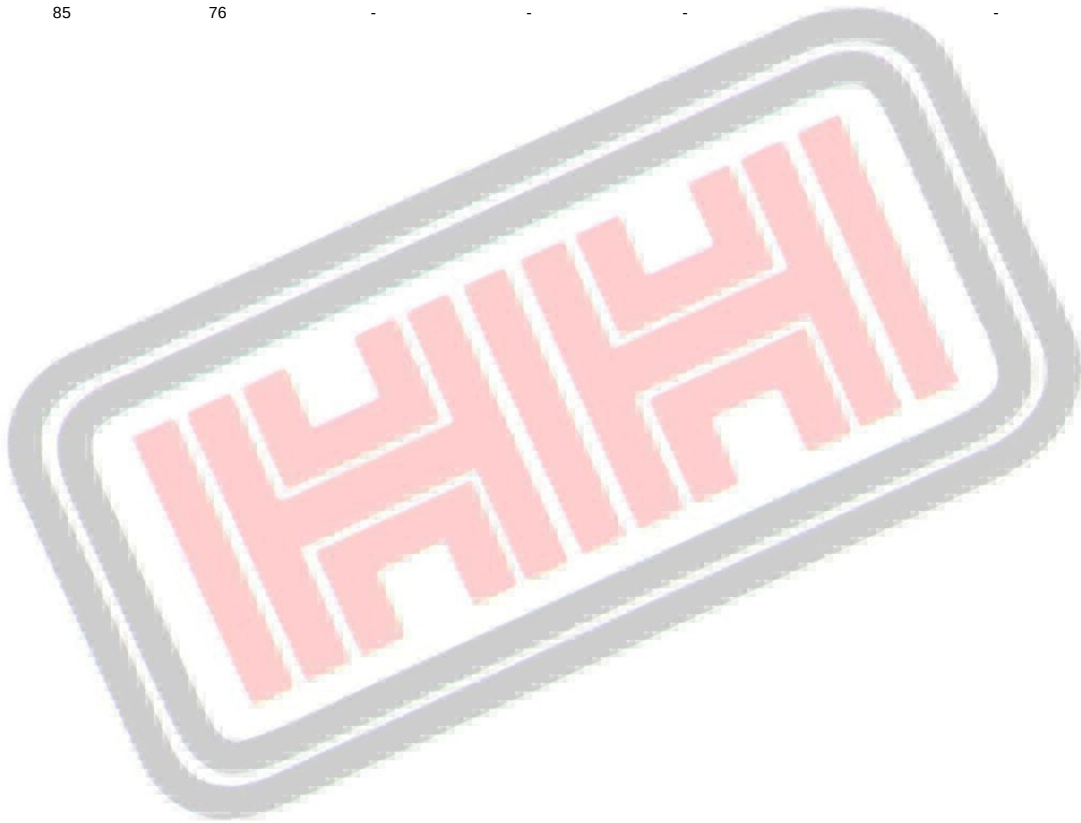
	Cond.xSec (N°xmmq)	Outer diameter (mm)	Weight (kg/km)	Multicores	Cond.xSec (N°xmmq)	Outer diameter (mm)	Weight (kg/km)
35710204	2x0.50	4.8	32		35710207	2x1.5	58
35710304	3x0.50	5.1	39		35710307	3x1.5	72
35710404	4x0.50	5.5	47		35710407	4x1.5	93
35710504	5x0.50	6	55		35710507	5x1.5	111
35710604	6x0.50	6.5	64		35710607	6x1.5	129
35710704	7x0.50	6.5	71		35710707	7x1.5	144
35710804	8x0.50	7.5	83		35710807	8x1.5	169
35711004	10x0.50	8.4	101		35711007	10x1.5	205
35711204	12x0.50	8.7	115		35711207	12x1.5	243
35711404	14x0.50	9.1	131		35711407	14x1.5	278
35711604	16x0.50	10.3	151		35711607	16x1.5	312
35711804	18x0.50	10.3	166		35711807	18x1.5	346
35712104	21x0.50	11.7	197		35712107	21x1.5	400
35712504	25x0.50	12.5	228		35712507	25x1.5	467
35712704	27x0.50	12.5	242		35710208	2x2.5	85
35713004	30x0.50	12.9	264		35710308	3x2.5	108
35713404	34x0.50	13.9	296		35710408	4x2.5	135
-	-	-	-		35710508	5x2.5	162
-	-	-	-		35710608	6x2.5	195
35710205	2x0.75	5.2	40		35710708	7x2.5	219
35710305	3x0.75	5.5	48		35710808	8x2.5	250
35710405	4x0.75	6	59		35711008	10x2.5	310
35710505	5x0.75	6.5	70		35711208	12x2.5	361
35710605	6x0.75	7.3	85		35711408	14x2.5	414
35710705	7x0.75	7.3	94		35711608	16x2.5	467
35710805	8x0.75	8.2	106		35711808	18x2.5	519
35711005	10x0.75	9.4	133		35712108	21x2.5	602
35711205	12x0.75	9.7	153		35712508	25x2.5	705
35711405	14x0.75	10.2	174		35710209	2x4	127
35711605	16x0.75	10.7	195		35710309	3x4	167
35711805	18x0.75	11.5	221		35710409	4x4	209
35712105	21x0.75	12.4	256		35710509	5x4	252
35712505	25x0.75	13.7	297		35710210	2x6	179
35712705	27x0.75	13.7	315		35710310	3x6	232
35713005	30x0.75	14.2	345		35710410	4x6	298
35713405	34x0.75	15.3	388		35710510	5x6	360
-	-	-	-		35710211	2x10	314
-	-	-	-		35710311	3x10	407
35710206	2x1	5.6	47		35710411	4x10	514
35710306	3x1	5.9	58		35710511	5x10	623
35710406	4x1	6.5	71		35710212	2x16	416
35710506	5x1	7.3	88		35710312	3x16	605
35710606	6x1	7.9	102		35710412	4x16	769
35710706	7x1	7.9	113		35710512	5x16	950
35710806	8x1	8.8	128		35710213	2x25	673
35711006	10x1	10.2	160		35710313	3x25	910
35711206	12x1	10.5	185		35710413	4x25	1165
35711406	14x1	11.1	211		35710513	5x25	1417
35711606	16x1	11.9	242		35710214	2x35	916
35711806	18x1	12.5	268		35710314	3x35	1217
35712106	21x1	14	310		35710414	4x35	1549
35712506	25x1	14.9	361		35710514	5x35	1889
35712706	27x1	14.9	384		-	-	-
35713006	30x1	15.5	421		35710315	3x50	1675
35713406	34x1	16.7	473		35710415	4x50	2151
35713706	37x1	16.7	507		35710515	5x50	2671
35714206	42x1	18.1	571				



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Nominal Section (mmq)	Toegelaten stroomsterkste voor een verbinding in open lucht bij 30°C (A)							Maximale kernweerstand (klasse 5) bij 20°C (IEC 60228) (Ohm/km)
	(A)	(A)	(A)	Multicores (A)	(A)	(A)	(A)	
0.50	10	9	6.5	5.5	4.5	4	3.5	39
0.75	13.5	12	9	7	6	5.5	5	26
1	15	13.5	10.5	8	7	6.5	5.5	19.5
1.5	19.5	17.5	13	10.5	9.5	8	7	13.3
2.5	26	24	17.5	14.5	12.5	11	10	7.98
4	35	32	-	-	-	-	-	4.95
6	46	41	-	-	-	-	-	3.3
10	63	57	-	-	-	-	-	1.91
16	85	76	-	-	-	-	-	1.21



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