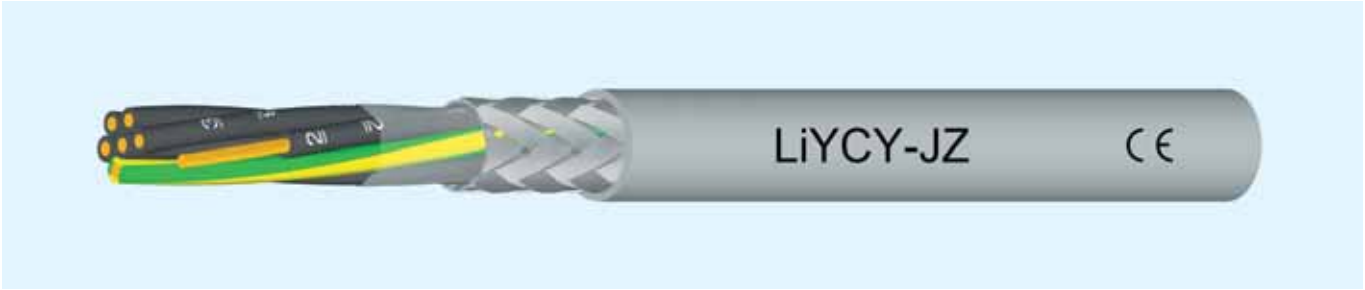
LiYCY-JZ

Flexible cables, copper screened, number coded cores, EMC*



Cable structure

- Stranded bare copper core according to DIN VDE 0295 and IEC 60228 cl. 5
- Core insulation of special PVC
- Black cores with repeated white numbering according to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and more)
- Cores stranded in layers with optimal lay-lenght
- Foil separator
- Tinned copper braided screening, approx. 85% coverage
- Special PVC outer sheath according to DIN VDE 0281 part 1 and HD 21.1, color grey, extensively oil resistant
- PVC self-extinguishing and flame retardant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Special PVC flexible cables, accroding to DIN VDE 0245, 0281 part 13
- **Temperature range** flexing from -5 °C to +70 °C
  fixed from -30 °C to +80 °C
- **Nominal voltage** U_O/U 300/500 V
- **Spark test** 6000 V
- **Test voltage a.c.** core/core 3000 V
  core/screen 1500 V
- **Insulation resistance** min. 20 MΩ × km
- **Minimum bending radius** approx. 10× cable diameter
- **Radiation resistance** up to 80×10^6 cJ/kg (up to 80 Mrad)

Application

Ideal for use as a control cable in tool-making and machine industry as well as signal cable in computers and electronics. The usual PVC inner sheath in this cable has been replaced by a foil separator, therefore considerably reducing the total diameter of the cable, its bending radius, weight etc. The high density of the braiding assures disturbance-free transmission of all signals and impulses.

Note

***EMC** = Electromagnetic compatibility – recommended type
CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC
OZ = version without green-yellow earth core
Conforms to RoHS.
Other sizes and types available on request.

Part No.	Number of cores × core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0216320 OZ	2 × 0,5	5,3	32,0	45
0216321	3 × 0,5	5,6	39,0	55
0216322	4 × 0,5	6,2	46,0	61
0216323	5 × 0,5	6,7	52,0	74
0216324	6 × 0,5	7,4	66,0	89
0216325	7 × 0,5	7,9	68,0	98
0216326	8 × 0,5	8,5	80,0	117
0216327	10 × 0,5	9,5	81,0	135
0216328	12 × 0,5	9,6	117,0	157
0216329	14 × 0,5	10,0	122,0	190
0216330	16 × 0,5	10,7	123,0	210
0216331	18 × 0,5	11,2	156,0	217
0216332	20 × 0,5	11,9	173,0	240
0216333	21 × 0,5	12,5	189,0	250
0216334	24 × 0,5	12,9	236,0	300
0216335	25 × 0,5	13,5	250,0	314
0216336	30 × 0,5	14,0	297,0	360
0216337	32 × 0,5	14,6	301,0	425
0216165	34 × 0,5	15,3	312,0	433
0216338	36 × 0,5	15,9	320,0	446
0216339	40 × 0,5	16,4	343,0	475
0216340	50 × 0,5	18,1	407,0	573
0216341	61 × 0,5	19,8	415,0	653
0216342	80 × 0,5	21,9	690,0	784
0216343	100 × 0,5	24,3	814,0	995
0216344 OZ	2 × 0,75	5,7	39,0	59
0216345	3 × 0,75	6,2	49,0	66
0216346	4 × 0,75	6,7	57,0	77
0216347	5 × 0,75	7,2	69,0	93
0216348	6 × 0,75	8,0	71,0	113
0216349	7 × 0,75	8,6	87,0	130

Part No.	Number of cores × core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0216350	8 × 0,75	9,4	86,0	145
0216351	10 × 0,75	10,2	140,0	180
0216353	12 × 0,75	10,4	151,0	202
0216354	14 × 0,75	11,1	144,0	225
0216355	16 × 0,75	11,6	172,0	275
0216356	18 × 0,75	12,4	207,0	292
0216447	19 × 0,75	12,6	214,0	308
0216357	20 × 0,75	12,9	220,0	320
0216358	21 × 0,75	13,8	231,0	378
0216359	24 × 0,75	14,5	250,0	410
0216360	25 × 0,75	14,9	257,0	425
0216361	27 × 0,75	15,3	266,0	435
0216362	30 × 0,75	15,6	297,0	450
0216363	32 × 0,75	16,1	330,0	484
0216166	34 × 0,75	16,9	345,0	502
0216364	36 × 0,75	17,1	370,0	535
0216448	37 × 0,75	17,7	383,0	592
0216365	40 × 0,75	18,3	395,0	610
0216366	50 × 0,75	20,0	480,0	777
0216367	61 × 0,75	21,9	555,0	900
0216368	80 × 0,75	24,3	715,0	1210
0216369	100 × 0,75	26,8	910,0	1445
0216370 OZ	2 × 1	6,0	46,0	65
0216371	3 × 1	6,5	56,0	80
0216372	4 × 1	7,1	69,0	98
0216373	5 × 1	7,6	85,0	127
0216374	6 × 1	8,5	105,0	144
0216375	7 × 1	9,1	107,0	158
0216376	8 × 1	9,9	130,0	197
0216377	10 × 1	10,8	138,0	232
0216378	12 × 1	11,2	186,0	260

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Part No.	Number of cores x core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0216379	14 × 1	11,8	198,0	302
0216380	16 × 1	12,3	203,0	346
0216381	18 × 1	13,2	240,0	380
0216352	19 × 1	13,5	246,0	412
0216382	20 × 1	13,8	286,0	440
0216383	24 × 1	15,5	320,0	493
0216384	25 × 1	16,2	342,0	534
0216439	27 × 1	16,1	360,0	562
0216385	28 × 1	16,7	370,0	595
0216386	30 × 1	17,1	395,0	616
0216387	34 × 1	18,0	440,0	741
0216446	37 × 1	18,8	485,0	790
0216388	40 × 1	19,4	510,0	835
0216389	50 × 1	21,4	626,0	1025
0216390	61 × 1	23,4	710,0	1205
0216391	80 × 1	26,0	940,0	1445
0216392	100 × 1	28,8	1180,0	1613
0216393 OZ	2 × 1,5	7,0	63,0	88
0216394	3 × 1,5	7,6	76,0	100
0216395	4 × 1,5	8,2	96,0	126
0216396	5 × 1,5	9,1	111,0	160
0216397	7 × 1,5	10,8	147,0	208
0216398	8 × 1,5	11,6	172,0	244
0216399	10 × 1,5	12,8	193,0	315
0216400	12 × 1,5	13,1	254,0	338
0216401	14 × 1,5	13,9	272,0	383
0216402	16 × 1,5	14,9	285,0	424
0216403	18 × 1,5	15,7	295,0	479
0216449	19 × 1,5	16,6	331,0	508
0216404	20 × 1,5	16,8	352,0	545
0216405	21 × 1,5	17,4	414,0	560
0216406	24 × 1,5	18,3	448,0	690
0216407	25 × 1,5	18,9	492,0	705
0216450	27 × 1,5	19,1	511,0	774
0216408	28 × 1,5	19,9	525,0	810
0216409	30 × 1,5	19,7	555,0	830
0216410	35 × 1,5	22,4	645,0	890
0216451	37 × 1,5	23,2	693,0	945
0216411	40 × 1,5	23,2	730,0	1060
0216412	50 × 1,5	25,5	977,0	1290

Part No.	Number of cores x core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0216413	61 × 1,5	28,0	1120,0	1705
0216414	80 × 1,5	31,0	1360,0	2010
0216415	100 × 1,5	34,5	1690,0	2505
0216416 OZ	2 × 2,5	8,6	96,0	130
0216417	3 × 2,5	9,4	148,0	167
0216418	4 × 2,5	10,2	174,0	195
0216419	5 × 2,5	11,3	200,0	223
0216420	7 × 2,5	13,5	235,0	344
0216421	10 × 2,5	15,4	335,0	460
0216438	12 × 2,5	16,7	440,0	570
0216452	18 × 2,5	18,1	530,0	681
0216422 OZ	2 × 4	10,9	135,0	185
0216423	3 × 4	11,5	178,0	240
0216424	4 × 4	12,8	220,0	310
0216425	5 × 4	14,1	328,0	385
0216426	7 × 4	15,7	355,0	500
0216427 OZ	2 × 6	12,1	175,0	268
0216428	3 × 6	13,0	240,0	330
0216429	4 × 6	14,5	305,0	415
0216430	5 × 6	16,1	441,0	509
0216431	7 × 6	17,9	505,0	672
0216432 OZ	2 ×10	15,7	265,0	425
0216433	3 ×10	16,7	370,0	500
0216434	4 ×10	18,5	485,0	783
0216435	5 ×10	20,7	610,0	856
0216436	7 ×10	22,5	820,0	1305
0216440	4 ×16	21,3	809,0	880
0216437	5 ×16	23,9	1050,0	1295
0216441	4 ×25	27,0	1165,0	1570
0216442	5 ×25	30,0	1440,0	1965
0216443	4 ×35	31,7	1576,0	2070
0216444	5 ×35	35,7	1930,0	2690
0216445	4 ×50	35,8	2155,0	3015