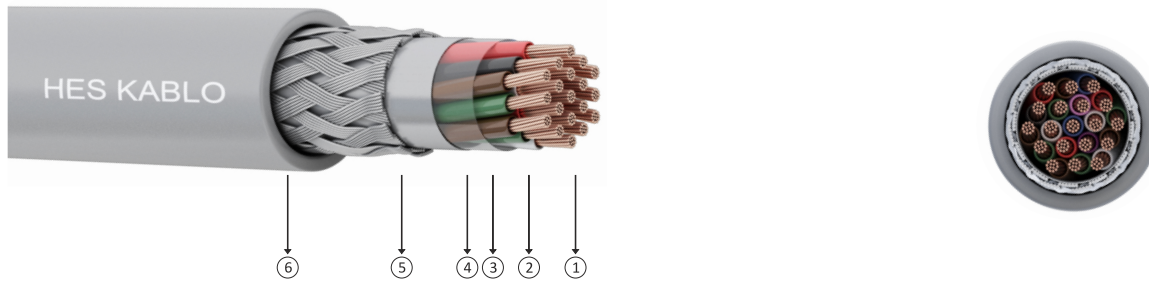


LIY(St)CY



Code: LIY(St)CY **Standard:** TS 13755, VDE 0812, TSE K 353

- LI** : Bundle wire
- Y** : PVC
- (St)** : Aluminum foil
- C** : Braided Screen
- LIY(St)CY-OB** : Cables without number, with different colored cores
- LIY(St)CY-JB** : Cables without number, with different colored cores and cables with ground core (Yellow / Green)
- LIY(St)CY-OZ** : White numbered core cables on insulated black
- LIY(St)CY-JZ** : White numbered core cables on insulated black and cables with ground core (Yellow / Green)
- LIYCY-JZ** : White numbered core cables on insulated black and cables with ground core (Yellow / Green)

Technical Properties

- Operating Temperature : -5 °C / + 70 °C
- Storage Temperature : -30 °C / + 70 °C
- Min. bending radius (fixed) : 7,5 x D
- Min. bending radius (moved) : 15 x D

Fire Performance Tests

Vertical Flame Spread / EN 60332-1-2, IEC 60332-1-2,
DIN EN 60332-1-2 (VDE 0482-332-1-2)

Construction

- 1- Flexible copper conductor / Class 5 (EN 60228, IEC 60228, DIN VDE 0295)
- 2- PVC insulation (EN 50290-2-21)
- 3- Single twist in layers
- 4- Separator tape
- 5- AL-PET Tape ve Tinned Copper Wire Braid Screen
- 6- PVC Sheath (EN 50290-2-22)

Electrical Properties

Cross-Section (mm ²)	Current Carrying Capacity (A)
0,5	6
0,75	13
1	16
1,5	20
2,5	25

Applications

Appropriate for use in narrow space implementations thanks to its flexible structure, these cables can be used in instrument and control engineering, industrial electronics, computer and office engineering, indoor communication, audio and security systems in places with electromagnetics interference.

Number of Cores and Cross-Section	Outer Diameter (Approx)	Copper Weight (Approx)	Cable Weight (Approx)	Conductor Resistance (max.)	Operating Voltage	Delivery Length
mm ²	mm	kg/km	kg/km	Ω/km	(V)	m
2x0,50	5,1	14,4	32	38,9	350	100 / 500 / 1000
3x0,50	5,4	19,1	40	38,9	350	100 / 500 / 1000
4x0,50	5,9	24,3	49	38,9	350	100 / 500 / 1000
5x0,50	6,3	29,3	59	38,9	350	100 / 500 / 1000
6x0,50	6,9	34,5	70	38,9	350	100 / 500 / 1000
7x0,50	6,9	39,0	74	38,9	350	100 / 500 / 1000
8x0,50	7,6	44,3	91	38,9	350	100 / 500 / 1000
10x0,50	8,6	54,8	108	38,9	350	100 / 500 / 1000
12x0,50	8,9	64,6	119	38,9	350	100 / 500 / 1000
2x0,75	5,5	19,1	39	26,0	500	100 / 500 / 1000
3x0,75	5,8	26,2	49	26,0	500	100 / 500 / 1000
4x0,75	6,2	33,8	61	26,0	500	100 / 500 / 1000
5x0,75	6,8	41,2	74	26,0	500	100 / 500 / 1000
6x0,75	7,3	48,8	88	26,0	500	100 / 500 / 1000
7x0,75	7,3	55,5	95	26,0	500	100 / 500 / 1000
8x0,75	8,2	63,5	115	26,0	500	100 / 500 / 1000
10x0,75	9,2	78,5	138	26,0	500	100 / 500 / 1000
12x0,75	9,5	92,2	152	26,0	500	100 / 500 / 1000

Number of Cores and Cross-Section	Outer Diameter (Approx)	Copper Weight (Approx)	Cable Weight (Approx)	Conductor Resistance (max.)	Operating Voltage	Delivery Length
mm ²	mm	kg/km	kg/km	Ω/km	(V)	m
2x1,0	5,9	24,3	46	19,5	500	100 / 500 / 1000
3x1,0	6,2	33,7	59	19,5	500	100 / 500 / 1000
4x1,0	6,8	43,5	74	19,5	500	100 / 500 / 1000
5x1,0	7,4	53,3	90	19,5	500	100 / 500 / 1000
6x1,0	8,0	63,6	108	19,5	500	100 / 500 / 1000
7x1,0	8,0	72,6	116	19,5	500	100 / 500 / 1000
8x1,0	8,9	82,6	142	19,5	500	100 / 500 / 1000
10x1,0	10,1	101,6	169	19,5	500	100 / 500 / 1000
12x1,0	10,4	120,6	188	19,5	500	100 / 500 / 1000
2x1,5	6,9	33,9	62	13,3	900	100 / 500 / 1000
3x1,5	7,3	47,8	82	13,3	900	100 / 500 / 1000
4x1,5	8,0	61,7	103	13,3	900	100 / 500 / 1000
5x1,5	8,7	75,8	126	13,3	900	100 / 500 / 1000
6x1,5	9,5	90,3	151	13,3	900	100 / 500 / 1000
7x1,5	9,5	103,5	164	13,3	900	100 / 500 / 1000
8x1,5	10,6	118,3	201	13,3	900	100 / 500 / 1000
10x1,5	12,3	147,0	248	13,3	900	100 / 500 / 1000
12x1,5	12,7	173,7	274	13,3	900	100 / 500 / 1000
2x2,5	7,6	48,8	80	7,98	900	100 / 500 / 1000
3x2,5	8,1	70,2	109	7,98	900	100 / 500 / 1000
4x2,5	8,8	90,4	137	7,98	900	100 / 500 / 1000
5x2,5	9,7	112,3	171	7,98	900	100 / 500 / 1000
6x2,5	10,5	134,1	204	7,98	900	100 / 500 / 1000
7x2,5	10,5	154,3	224	7,98	900	100 / 500 / 1000
8x2,5	12,1	177,0	280	7,98	900	100 / 500 / 1000
10x2,5	13,7	219,0	337	7,98	900	100 / 500 / 1000
12x2,5	14,2	259,5	375	7,98	900	100 / 500 / 1000