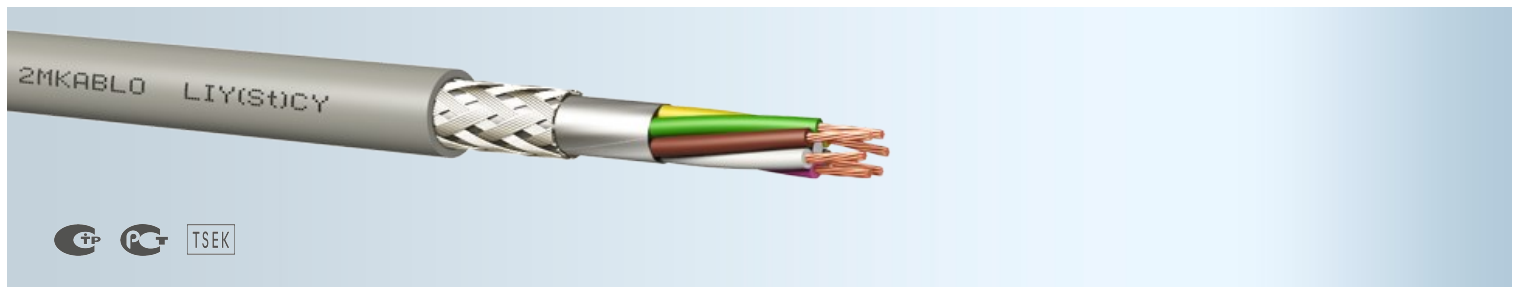


LIY (St)CY



Footnote

2.50 mm² - 4.00 mm² 6.00 mm² and also LSF type of LIY(St)CY cables can be produced as well. LIY(St)CY-OZ : black cores with numbers ; LIY(St)CY-JZ : black cores with numbers + one green/yellow core

Cable Structure

Conductor	Stranded Electrolytic Annealed Copper (IEC/BS/EN 60228, VDE 0295 Class 5, 0.34mm ² : Column 2)
Insulation	PVC (BS/EN 50290-2, VDE 0207 TI2), Color Code : DIN 47100
Lay-up	Cores stranded in layers
Screen	Tinned Copper Wire Braiding
Shielding	AL-PES tape
Outer Sheath	PVC (BS/EN 50290-2) Outer Sheath Color : RAL 7001 Grey
Reference Standards	VDE 0812
Flame test	IEC/EN/BS/DIN 60332-1-2 (VDE 0482-332-1-2)

Cross

Product Code	# Cores/Cross Sect.(mm ²)	Cable Diameter(mm)(±5%)	Copper Weight(kg/km)	~Cable Weight (kg/km)
23100102				
0.14mm ²	2x0.14	3.9	7	19
23100103				
0.14mm ²	3x0.14	4.1	9	23
23100104				
0.14mm ²	4x0.14	4.3	11	27
23100105				
0.14mm ²	5x0.14	4.7	13	30
23100106				
0.14mm ²	6x0.14	5.2	14	35
23100107				
0.14mm ²	7x0.14	5.2	16	37
23100108				

0.14mm ²	8x0.14	5.4	18	41
23100109				
0.14mm ²	9x0.14	5.8	19	45
23100110				
0.14mm ²	10x0.14	6.2	22	50
23100202				
0.22mm ²	2x0.22	4.1	9	22
23100203				
0.22mm ²	3x0.22	4.3	12	27
23100204				
0.22mm ²	4x0.22	4.6	14	32
23100205				
0.22mm ²	5x0.22	4.9	17	38
23100206				
0.22mm ²	6x0.22	5.4	19	44
23100207				
0.22mm ²	7x0.22	5.4	21	47
23100208				
0.22mm ²	8x0.22	5.8	24	51
23100209				
0.22mm ²	9x0.22	6.3	27	57
23100210				
0.22mm ²	10x0.22	6.7	31	65
23100212				
0.22mm ²	12x0.22	7.1	35	73
23100214				
0.22mm ²	14x0.22	7.6	41	82

23100216

0.22mm ²	16x0.22	7.9	46	91
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23100218

0.22mm ²	18x0.22	8.3	51	101
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23100220

0.22mm ²	20x0.22	8.6	56	112
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23100225

0.22mm ²	25x0.22	9.7	68	142
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23100402

0.34mm ²	2x0.34	4.7	13	28
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23100403

0.34mm ²	3x0.34	5.0	16	35
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23100404

0.34mm ²	4x0.34	5.5	19	43
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23100405

0.34mm ²	5x0.34	5.9	23	51
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23100406

0.34mm ²	6x0.34	6.4	28	59
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23100407

0.34mm ²	7x0.34	6.4	31	65
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23100408

0.34mm ²	8x0.34	6.9	35	71
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23100409

0.34mm ²	9x0.34	7.4	40	80
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23100410

0.34mm ²	10x0.34	8.0	45	89
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23100502

0.50mm ²	2x0.50	5.2	15	35
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23100503				
0.50mm ²	3x0.50	5.5	20	42
23100504				
0.50mm ²	4x0.50	6.0	25	54
23100505				
0.50mm ²	5x0.50	6.6	30	66
23100506				
0.50mm ²	6x0.50	7.2	35	76
23100507				
0.50mm ²	7x0.50	7.2	39	82
23100508				
0.50mm ²	8x0.50	7.9	46	100
23100509				
0.50mm ²	9x0.50	8.3	52	107
23100510				
0.50mm ²	10x0.50	9.0	57	113
23100802				
0.75mm ²	2x0.75	5.7	20	45
23100803				
0.75mm ²	3x0.75	6.0	27	54
23100804				
0.75mm ²	4x0.75	6.5	34	70
23100805				
0.75mm ²	5x0.75	7.2	42	85
23100806				
0.75mm ²	6x0.75	7.9	51	97
23100807				

0.75mm ²	7x0.75	7.9	57	107
23100808				
0.75mm ²	8x0.75	8.7	65	127
23100809				
0.75mm ²	9x0.75	9.5	72	136
23100810				
0.75mm ²	10x0.75	10.2	80	150
23101002				
1.00mm ²	2x1.00	6.1	25	52
23101003				
1.00mm ²	3x1.00	6.4	34	66
23101004				
1.00mm ²	4x1.00	7.0	43	81
23101005				
1.00mm ²	5x1.00	7.8	54	100
23101006				
1.00mm ²	6x1.00	8.5	64	116
23101007				
1.00mm ²	7x1.00	8.5	72	126
23101008				
1.00mm ²	8x1.00	9.2	86	150
23101009				
1.00mm ²	9x1.00	10.2	96	165
23101010				
1.00mm ²	10x1.00	10.8	106	180
23101502				
1.50mm ²	2x1.50	7.0	35	69

23101503				
1.50mm ²	3x1.50	7.4	50	88
23101504				
1.50mm ²	4x1.50	8.2	64	111
23101505				
1.50mm ²	5x1.50	9.1	78	136
23101506				
1.50mm ²	6x1.50	9.9	92	161
23101507				
1.50mm ²	7x1.50	9.9	105	177
23101508				
1.50mm ²	8x1.50	10.8	119	212
23101509				
1.50mm ²	9x1.50	11.7	135	228
23101510				
1.50mm ²	10x1.50	12.7	153	259

Areas of use

These double screened cables are used as signal transmission cables in industrial applications. These can be easily used with their flexible construction in narrow applications like: electronic control systems of computer or audio systems or in communication sector, electronic circuits, measurement devices, machine design, office equipment, etc. These used for indoor applications. Screening protects the cable from the outer electrical effects.

Technical & Electrical Properties

Min. Bending Radius	Fixed 7.5xCable Diameter ; Flexible 15xCable Diameter
Conductor Resistance(max.)	0.14mm ² --138 Ω/km; 0.22mm ² --85 Ω/km; 0.25mm ² --77.8 Ω/km; 0.34mm ² --56 Ω/km; 0.50mm ² --39 Ω/km; 0.75mm ² --26 Ω/km; 1.00mm ² --19.5 Ω/km; 1.50mm ² --13.3 Ω/km
Capacitance(max.) (core-core)	0.14mm ² --80 nF/km; 0.22mm ² ..0.34mm ² --100 nF/km; 0.50mm ² ..0.75mm ² --110 nF/km; 1.00mm ² ..1.50mm ² --120nF/km
Capacitance(max.) (core-screen)	0.14mm ² --120 nF/km; 0.22mm ² ..0.34mm ² --150 nF/km; 0.50mm ² ..0.75mm ² --170 nF/km; 1.00mm ² ..1.50mm ² --180nF/km
Operating Voltage	0.14mm ² ..0.25mm ² 250V; 0.34mm ² ..1.50mm ² 300V/500V
Test Voltage (50 Hz)	0.14mm ² ..25mm ² 1200V; 0.34mm ² ..10mm ² 1500V; 1.50mm ² 2500V
Insulation Resistance	>200 M.Ωxkm
Inductance(approx.)	0.65 mH/km
Temperature Range	Fixed -30 °C.....+70 °C; Flexible -5 °C.....+70 °C

