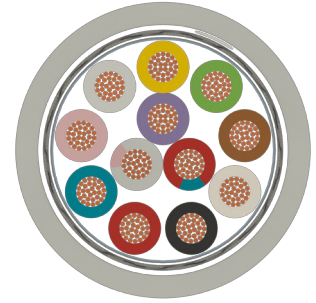
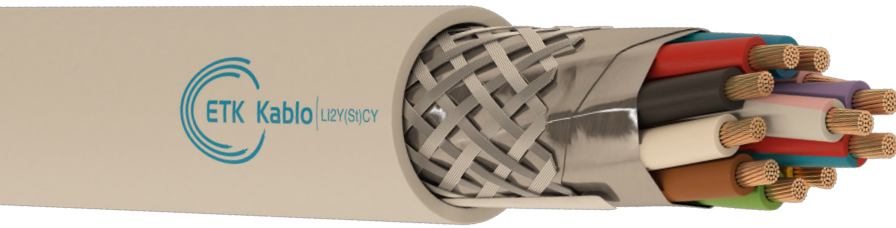


# Electronic Control Cables

## Signal Cables

### LI2Y(St)CY



#### Application

- Feeder cable for frequency controlled motors with electromagnetic interference.
- At instrumentation and control engineering.
- At industrial electronics.
- Computer and office devices.
- Indoor communication systems.
- Indoor sound systems.

#### Cable Construction

- 1 - Conductor : Stranded electrolytic copper conductor (Class 5) (IEC 60228, EN 60228, DIN VDE 0295)
- 2 - Insulation : Solid polyethylene (EN 50290-2-23, BS 6234 Type 03 - ASTM D 1248) (DIN 47100)
- 3 - Stranding : In layers
- 4 - Wrapping : Polyester tape
- 5 - Screen : Al/PET tape, tinned copper braiding
- 6 - Outer Jacket : UV resistant PVC outer jacket. RAL 7035 (Grey)

#### Technical Characteristics

Cross Section	Conductor Resistance $\Omega/\text{km}$ (20 °C)	Insulation Resistance M $\Omega/\text{km}$ (20 °C)	Mutual Capacitance pF/m	Current Carrying Capacity A	Impedance $\Omega$	Inductance mH/km	Operating Voltage V DC	Test Voltage V (DC, 1 minute)
0.14 mm <sup>2</sup>	138	5000	110	2	78	0.67	250	1200
0.22 mm <sup>2</sup>	85	5000	110	2.5	78	0.67	250	1200
0.25 mm <sup>2</sup>	77.8	5000	110	4.5	78	0.67	250	1200
0.34 mm <sup>2</sup>	56	5000	110	6	78	0.67	250	1200
0.50 mm <sup>2</sup>	39	5000	120	9	78	0.67	300/500	2000
0.75 mm <sup>2</sup>	26	5000	120	12	78	0.67	300/500	2000
1.00 mm <sup>2</sup>	19.5	5000	130	15	78	0.67	300/500	2000
1.5 mm <sup>2</sup>	13.3	5000	140	18	78	0.67	300/500	2000
2.5 mm <sup>2</sup>	7.98	5000	150	26	78	0.67	300/500	2000
4.0 mm <sup>2</sup>	4.95	5000	150	34	78	0.67	300/500	2000
6.0 mm <sup>2</sup>	3.3	5000	150	44	78	0.67	300/500	2000
10 mm <sup>2</sup>	1.91	5000	150	61	78	0.67	300/500	2000
16 mm <sup>2</sup>	1.21	5000	150	82	78	0.67	300/500	2000

#### Mechanical Characteristics

Bending Radius	Temperature Range Operating
7.5xD mm	-30°C~+70°C

#### Standards

Flame Retardancy Test
IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2

#### Notes

Electromagnetic compatibility (EMC)  
Color code could be JZ, OZ, JB, OB according to customer demand.  
Reference Standard: DIN VDE 0812

## LI2Y(S)CY

Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.522.31.2.0022.0.0002	2	0.22	3.8	9.7	20	100/500/1000
3.522.31.2.0022.0.0003	3	0.22	4	11.8	24	100/500/1000
3.522.31.2.0022.0.0004	4	0.22	4.4	14	29	100/500/1000
3.522.31.2.0022.0.0005	5	0.22	4.8	16.2	33	100/500/1000
3.522.31.2.0022.0.0006	6	0.22	5.2	18.4	38	100/500/1000
3.522.31.2.0022.0.0007	7	0.22	5.2	20.5	41	100/500/1000
3.522.31.2.0022.0.0008	8	0.22	5.6	23.9	46	100/500/1000
3.522.31.2.0022.0.0009	9	0.22	6	26.3	50	100/500/1000
3.522.31.2.0022.0.0010	10	0.22	6.5	28.4	56	100/500/1000
3.522.31.2.0022.0.0012	12	0.22	6.8	33.7	65	100/500/1000
3.522.31.2.0022.0.0014	14	0.22	7.1	38.4	73	100/500/1000
3.522.31.2.0022.0.0016	16	0.22	7.5	42.9	80	100/500/1000
3.522.31.2.0022.0.0018	18	0.22	7.8	47.4	87	100/500/1000
3.522.31.2.0022.0.0019	19	0.22	7.8	49.5	90	100/500/1000
3.522.31.2.0022.0.0020	20	0.22	8.2	52.4	95	100/500/1000
3.522.31.2.0022.0.0021	21	0.22	8.2	54.5	98	100/500/1000
3.522.31.2.0022.0.0024	24	0.22	9.1	62.5	113	100/500/1000
3.522.31.2.0022.0.0025	25	0.22	9.1	64.6	116	100/500/1000
3.522.31.2.0022.0.0027	27	0.22	9.3	69.4	123	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.522.31.2.0034.0.0002	2	0.34	4.6	13.4	29	100/500/1000
3.522.31.2.0034.0.0003	3	0.34	4.9	16.7	34	100/500/1000
3.522.31.2.0034.0.0004	4	0.34	5.4	20	41	100/500/1000
3.522.31.2.0034.0.0005	5	0.34	5.9	24.7	50	100/500/1000
3.522.31.2.0034.0.0006	6	0.34	6.3	28	56	100/500/1000
3.522.31.2.0034.0.0007	7	0.34	6.3	31.3	60	100/500/1000
3.522.31.2.0034.0.0008	8	0.34	6.8	36	68	100/500/1000
3.522.31.2.0034.0.0009	9	0.34	7.4	39.3	76	100/500/1000
3.522.31.2.0034.0.0010	10	0.34	7.9	44	84	100/500/1000
3.522.31.2.0034.0.0012	12	0.34	8.2	50.6	94	100/500/1000
3.522.31.2.0034.0.0014	14	0.34	8.8	57.3	108	100/500/1000
3.522.31.2.0034.0.0016	16	0.34	9.2	63.9	119	100/500/1000
3.522.31.2.0034.0.0018	18	0.34	9.7	70.6	133	100/500/1000
3.522.31.2.0034.0.0019	19	0.34	9.7	73.9	137	100/500/1000
3.522.31.2.0034.0.0020	20	0.34	11	77.3	144	100/500/1000
3.522.31.2.0034.0.0021	21	0.34	11	80.6	148	100/500/1000
3.522.31.2.0034.0.0024	24	0.34	12	95.2	177	100/500/1000
3.522.31.2.0034.0.0025	25	0.34	12	98.6	181	100/500/1000
3.522.31.2.0034.0.0027	27	0.34	12	105.2	191	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.522.31.2.0050.0.0002	2	0.5	5	15.6	33	100/500/1000
3.522.31.2.0050.0.0003	3	0.5	5.3	20.1	40	100/500/1000
3.522.31.2.0050.0.0004	4	0.5	5.8	24.6	49	100/500/1000
3.522.31.2.0050.0.0005	5	0.5	6.4	29.1	59	100/500/1000
3.522.31.2.0050.0.0006	6	0.5	6.9	34.8	69	100/500/1000

## LI2Y(Sf)CY

3.522.3.1.2.0050.0.0007	7	0.5	6.9	39.3	73	100/500/1000
3.522.3.1.2.0050.0.0008	8	0.5	7.6	44	85	100/500/1000
3.522.3.1.2.0050.0.0009	9	0.5	8.8	51	100	100/500/1000
3.522.3.1.2.0050.0.0010	10	0.5	8.8	55.4	104	100/500/1000
3.522.3.1.2.0050.0.0012	12	0.5	9.2	64.7	119	100/500/1000
3.522.3.1.2.0050.0.0014	14	0.5	9.7	73.8	135	100/500/1000
3.522.3.1.2.0050.0.0016	16	0.5	11	83.3	151	100/500/1000
3.522.3.1.2.0050.0.0018	18	0.5	11	92.5	170	100/500/1000
3.522.3.1.2.0050.0.0019	19	0.5	11	96.9	173	100/500/1000
3.522.3.1.2.0050.0.0020	20	0.5	12	102.5	187	100/500/1000
3.522.3.1.2.0050.0.0021	21	0.5	12	106.9	189	100/500/1000
3.522.3.1.2.0050.0.0024	24	0.5	13	123.5	222	100/500/1000
3.522.3.1.2.0050.0.0025	25	0.5	13	127.9	232	100/500/1000
3.522.3.1.2.0050.0.0027	27	0.5	13	136.8	241	100/500/1000

Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.522.3.1.2.0075.0.0002	2	0.75	5.6	20.1	42	100/500/1000
3.522.3.1.2.0075.0.0003	3	0.75	6	26.8	51	100/500/1000
3.522.3.1.2.0075.0.0004	4	0.75	6.5	33.6	63	100/500/1000
3.522.3.1.2.0075.0.0005	5	0.75	7.2	41.4	78	100/500/1000
3.522.3.1.2.0075.0.0006	6	0.75	7.7	48.6	90	100/500/1000
3.522.3.1.2.0075.0.0007	7	0.75	7.7	55.2	96	100/500/1000
3.522.3.1.2.0075.0.0008	8	0.75	8.5	62.8	114	100/500/1000
3.522.3.1.2.0075.0.0009	9	0.75	9.8	70.6	130	100/500/1000
3.522.3.1.2.0075.0.0010	10	0.75	9.8	77.7	136	100/500/1000
3.522.3.1.2.0075.0.0012	12	0.75	11	91.6	156	100/500/1000
3.522.3.1.2.0075.0.0014	14	0.75	11	105.7	179	100/500/1000
3.522.3.1.2.0075.0.0016	16	0.75	12	120.1	199	100/500/1000
3.522.3.1.2.0075.0.0018	18	0.75	13	136.1	227	100/500/1000
3.522.3.1.2.0075.0.0019	19	0.75	13	142.8	233	100/500/1000
3.522.3.1.2.0075.0.0020	20	0.75	13	150.8	250	100/500/1000
3.522.3.1.2.0075.0.0021	21	0.75	13	157.4	254	100/500/1000
3.522.3.1.2.0075.0.0024	24	0.75	14	177.8	289	100/500/1000
3.522.3.1.2.0075.0.0025	25	0.75	14	184.4	303	100/500/1000
3.522.3.1.2.0075.0.0027	27	0.75	15	197.8	319	100/500/1000

Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.522.3.1.2.0100.0.0002	2	1	6	23.5	47	100/500/1000
3.522.3.1.2.0100.0.0003	3	1	6.4	32	59	100/500/1000
3.522.3.1.2.0100.0.0004	4	1	7	41.4	74	100/500/1000
3.522.3.1.2.0100.0.0005	5	1	7.7	50	90	100/500/1000
3.522.3.1.2.0100.0.0006	6	1	8.3	59.8	106	100/500/1000
3.522.3.1.2.0100.0.0007	7	1	8.3	68.1	113	100/500/1000
3.522.3.1.2.0100.0.0008	8	1	9.2	77.6	135	100/500/1000
3.522.3.1.2.0100.0.0009	9	1	11	86.7	154	100/500/1000
3.522.3.1.2.0100.0.0010	10	1	11	95	160	100/500/1000
3.522.3.1.2.0100.0.0012	12	1	12	112.4	185	100/500/1000
3.522.3.1.2.0100.0.0014	14	1	12	132.6	215	100/500/1000
3.522.3.1.2.0100.0.0016	16	1	13	150.7	240	100/500/1000
3.522.3.1.2.0100.0.0018	18	1	13	166.6	269	100/500/1000
3.522.3.1.2.0100.0.0019	19	1	13	174.9	276	100/500/1000
3.522.3.1.2.0100.0.0020	20	1	14	183.5	296	100/500/1000

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3.522.3.1.2.0100.0.0021	21	1	14	191.8	300	100/500/1000
3.522.3.1.2.0100.0.0024	24	1	16	219.3	345	100/500/1000
3.522.3.1.2.0100.0.0025	25	1	16	227.6	362	100/500/1000
3.522.3.1.2.0100.0.0027	27	1	16	244.5	377	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.522.3.1.2.0150.0.0002	2	1.5	6.5	34.1	61	100/500/1000
3.522.3.1.2.0150.0.0003	3	1.5	6.9	47	77	100/500/1000
3.522.3.1.2.0150.0.0004	4	1.5	7.6	60.2	96	100/500/1000
3.522.3.1.2.0150.0.0005	5	1.5	8.4	74.7	118	100/500/1000
3.522.3.1.2.0150.0.0006	6	1.5	9	88.8	139	100/500/1000
3.522.3.1.2.0150.0.0007	7	1.5	9	101.7	150	100/500/1000
3.522.3.1.2.0150.0.0008	8	1.5	10	115.2	177	100/500/1000
3.522.3.1.2.0150.0.0009	9	1.5	12	129.4	201	100/500/1000
3.522.3.1.2.0150.0.0010	10	1.5	12	142.3	212	100/500/1000
3.522.3.1.2.0150.0.0012	12	1.5	13	171.8	249	100/500/1000
3.522.3.1.2.0150.0.0014	14	1.5	13	199.1	286	100/500/1000
3.522.3.1.2.0150.0.0016	16	1.5	14	224.2	317	100/500/1000
3.522.3.1.2.0150.0.0018	18	1.5	15	251.1	359	100/500/1000
3.522.3.1.2.0150.0.0019	19	1.5	15	264.1	369	100/500/1000
3.522.3.1.2.0150.0.0020	20	1.5	15	278.5	396	100/500/1000
3.522.3.1.2.0150.0.0021	21	1.5	15	291.4	404	100/500/1000
3.522.3.1.2.0150.0.0024	24	1.5	17	331.1	466	100/500/1000
3.522.3.1.2.0150.0.0025	25	1.5	17	344.1	489	100/500/1000
3.522.3.1.2.0150.0.0027	27	1.5	17	370.1	512	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.522.3.1.2.0250.0.0002	2	2.5	7.8	52.8	85	100/500/1000
3.522.3.1.2.0250.0.0003	3	2.5	8.3	74.7	112	100/500/1000
3.522.3.1.2.0250.0.0004	4	2.5	9.3	97.4	145	100/500/1000
3.522.3.1.2.0250.0.0005	5	2.5	11	120.3	183	100/500/1000
3.522.3.1.2.0250.0.0006	6	2.5	12	145.9	219	100/500/1000
3.522.3.1.2.0250.0.0007	7	2.5	12	167.4	236	100/500/1000
3.522.3.1.2.0250.0.0008	8	2.5	13	190.4	280	100/500/1000
3.522.3.1.2.0250.0.0009	9	2.5	15	212.6	319	100/500/1000
3.522.3.1.2.0250.0.0010	10	2.5	15	234.1	337	100/500/1000
3.522.3.1.2.0250.0.0012	12	2.5	16	277.5	392	100/500/1000
3.522.3.1.2.0250.0.0014	14	2.5	16	322.2	450	100/500/1000
3.522.3.1.2.0250.0.0016	16	2.5	17	365.8	505	100/500/1000
3.522.3.1.2.0250.0.0018	18	2.5	18	411.3	572	100/500/1000
3.522.3.1.2.0250.0.0019	19	2.5	18	432.8	589	100/500/1000
3.522.3.1.2.0250.0.0020	20	2.5	19	455.5	633	100/500/1000
3.522.3.1.2.0250.0.0021	21	2.5	19	477.1	645	100/500/1000
3.522.3.1.2.0250.0.0024	24	2.5	21	548.4	742	100/500/1000
3.522.3.1.2.0250.0.0025	25	2.5	21	569.9	781	100/500/1000
3.522.3.1.2.0250.0.0027	27	2.5	22	616.9	821	100/500/1000