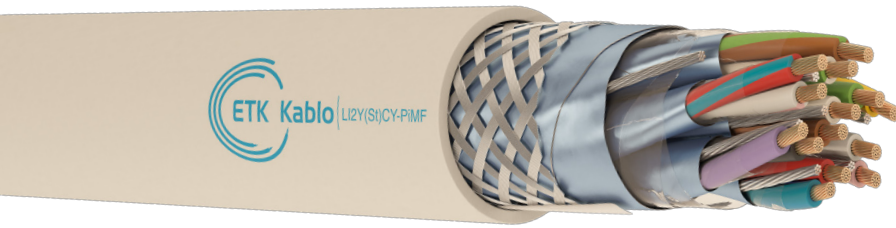


Electronic Control Cables

Signal Cables

LI2Y(St)CY-PiMF



Application

- Feeder cable for frequency controlled motors with electromagnetic interference.
- At instrumentation and control engineering.
- At industrial electronics.
- Computer and office devices.
- Automation systems.
- In data transmission systems for high frequency transmission.

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 : Screened pairs are stranded in layers.
- 4 - Individual Wrapping : Polyester tape
- 5 - Individual Screen : Tinned copper earthing wire, Al/PET tape
- 6 - Wrapping : Polyester tape
- 7 - Screen : Tinned copper earthing wire, Al/PET tape
- 8 - Outer Jacket : UV resistant PVC outer jacket. RAL 7035 (Grey)

Technical Characteristics

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

Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.550.2.1.2.0022.0.0002	2	0.22	7.2	26.6	52	100/500/1000
3.550.2.1.2.0022.0.0003	3	0.22	7.7	33.8	65	100/500/1000
3.550.2.1.2.0022.0.0004	4	0.22	8.6	42	82	100/500/1000
3.550.2.1.2.0022.0.0005	5	0.22	9.4	49.4	95	100/500/1000
3.550.2.1.2.0022.0.0006	6	0.22	11	57.9	112	100/500/1000
3.550.2.1.2.0022.0.0007	7	0.22	11	64.3	123	100/500/1000
3.550.2.1.2.0022.0.0008	8	0.22	12	72.1	137	100/500/1000
3.550.2.1.2.0022.0.0009	9	0.22	13	81.8	157	100/500/1000
3.550.2.1.2.0022.0.0010	10	0.22	14	88.3	169	100/500/1000
Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.550.2.1.2.0025.0.0002	2	0.25	7.6	28.4	56	100/500/1000
3.550.2.1.2.0025.0.0003	3	0.25	8.1	36.2	70	100/500/1000
3.550.2.1.2.0025.0.0004	4	0.25	9.2	44.5	88	100/500/1000
3.550.2.1.2.0025.0.0005	5	0.25	9.9	53.3	103	100/500/1000
3.550.2.1.2.0025.0.0006	6	0.25	11	62.3	121	100/500/1000
3.550.2.1.2.0025.0.0007	7	0.25	11	69.3	133	100/500/1000
3.550.2.1.2.0025.0.0008	8	0.25	12	77.6	148	100/500/1000
3.550.2.1.2.0025.0.0009	9	0.25	14	88.7	171	100/500/1000
3.550.2.1.2.0025.0.0010	10	0.25	14	95.7	184	100/500/1000
Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.550.2.1.2.0034.0.0002	2	0.34	8.6	33.2	67	100/500/1000
3.550.2.1.2.0034.0.0003	3	0.34	9.2	43.2	84	100/500/1000
3.550.2.1.2.0034.0.0004	4	0.34	11	53.8	104	100/500/1000
3.550.2.1.2.0034.0.0005	5	0.34	12	64	124	100/500/1000
3.550.2.1.2.0034.0.0006	6	0.34	13	75	142	100/500/1000
3.550.2.1.2.0034.0.0007	7	0.34	13	83.9	158	100/500/1000
3.550.2.1.2.0034.0.0008	8	0.34	14	94.6	176	100/500/1000
3.550.2.1.2.0034.0.0009	9	0.34	16	113.7	212	100/500/1000
3.550.2.1.2.0034.0.0010	10	0.34	16	122.6	228	100/500/1000
Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.550.2.1.2.0050.0.0002	2	0.5	9.6	48.3	90	100/500/1000
3.550.2.1.2.0050.0.0003	3	0.5	11	63.1	113	100/500/1000
3.550.2.1.2.0050.0.0004	4	0.5	12	78.2	142	100/500/1000
3.550.2.1.2.0050.0.0005	5	0.5	13	94.6	167	100/500/1000
3.550.2.1.2.0050.0.0006	6	0.5	13.7	110.7	196	100/500/1000
3.550.2.1.2.0050.0.0007	7	0.5	14	124.4	217	100/500/1000
3.550.2.1.2.0050.0.0008	8	0.5	16	145.9	248	100/500/1000
3.550.2.1.2.0050.0.0009	9	0.5	18	165.5	288	100/500/1000
3.550.2.1.2.0050.0.0010	10	0.5	17.7	179.2	307	100/500/1000

LI2Y(Sf)CY-PiMF

Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.550.2.1.2.0075.0.0002	2	0.75	10.5	58.5	109	100/500/1000
3.550.2.1.2.0075.0.0003	3	0.75	12	77.7	136	100/500/1000
3.550.2.1.2.0075.0.0004	4	0.75	13	98.4	174	100/500/1000
3.550.2.1.2.0075.0.0005	5	0.75	14	119	204	100/500/1000
3.550.2.1.2.0075.0.0006	6	0.75	16	145	245	100/500/1000
3.550.2.1.2.0075.0.0007	7	0.75	16	163.1	271	100/500/1000
3.550.2.1.2.0075.0.0008	8	0.75	17	182.7	302	100/500/1000
3.550.2.1.2.0075.0.0009	9	0.75	20	207.5	351	100/500/1000
3.550.2.1.2.0075.0.0010	10	0.75	20	225.6	374	100/500/1000
Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.550.2.1.2.0100.0.0002	2	1	12	66.2	121	100/500/1000
3.550.2.1.2.0100.0.0003	3	1	13	89	155	100/500/1000
3.550.2.1.2.0100.0.0004	4	1	14	113.8	196	100/500/1000
3.550.2.1.2.0100.0.0005	5	1	15	143.1	237	100/500/1000
3.550.2.1.2.0100.0.0006	6	1	17	166.1	276	100/500/1000
3.550.2.1.2.0100.0.0007	7	1	17	187.6	307	100/500/1000
3.550.2.1.2.0100.0.0008	8	1	18	213.4	345	100/500/1000
3.550.2.1.2.0100.0.0009	9	1	18	246.8	400	100/500/1000
3.550.2.1.2.0100.0.0010	10	1	21	268.3	432	100/500/1000
Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.550.2.1.2.0150.0.0002	2	1.5	13	87.1	147	100/500/1000
3.550.2.1.2.0150.0.0003	3	1.5	14	118.5	190	100/500/1000
3.550.2.1.2.0150.0.0004	4	1.5	15	156.4	246	100/500/1000
3.550.2.1.2.0150.0.0005	5	1.5	16	190.5	292	100/500/1000
3.550.2.1.2.0150.0.0006	6	1.5	18	225.6	344	100/500/1000
3.550.2.1.2.0150.0.0007	7	1.5	18	256.4	384	100/500/1000
3.550.2.1.2.0150.0.0008	8	1.5	20	289.3	430	100/500/1000
3.550.2.1.2.0150.0.0009	9	1.5	23	332.8	503	100/500/1000
3.550.2.1.2.0150.0.0010	10	1.5	23	363.5	538	100/500/1000
Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.550.2.1.2.0250.0.0002	2	2.5	13	131.9	216	100/500/1000
3.550.2.1.2.0250.0.0003	3	2.5	14	181	282	100/500/1000
3.550.2.1.2.0250.0.0004	4	2.5	15	233.4	359	100/500/1000
3.550.2.1.2.0250.0.0005	5	2.5	16	284	428	100/500/1000
3.550.2.1.2.0250.0.0006	6	2.5	18	342.2	509	100/500/1000
3.550.2.1.2.0250.0.0007	7	2.5	18	390.1	571	100/500/1000
3.550.2.1.2.0250.0.0008	8	2.5	20	441.6	642	100/500/1000
3.550.2.1.2.0250.0.0009	9	2.5	23	503.8	744	100/500/1000
3.550.2.1.2.0250.0.0010	10	2.5	23	551.8	800	100/500/1000