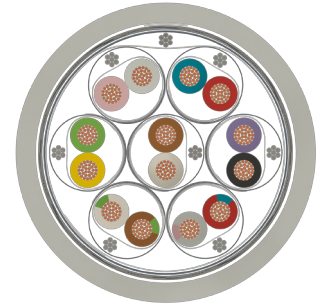
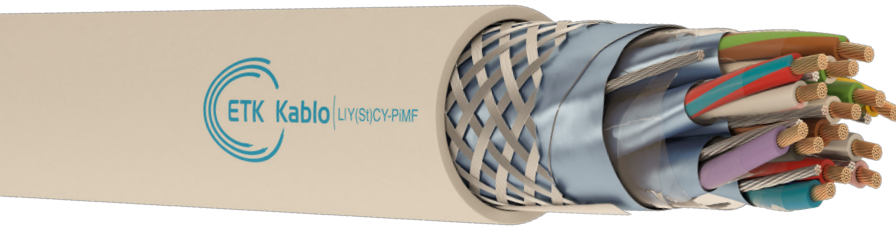


Electronic Control Cables

Signal Cables

LIY(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.
- 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 : PVC (TS IEC 60189-2, EN 50290-2-21) (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, tinned copper braiding
- 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	200	110	2	78	0.67	250	1200
0.22 mm ²	85	200	110	2.5	78	0.67	250	1200
0.25 mm ²	77.8	200	110	4.5	78	0.67	250	1200
0.34 mm ²	56	200	110	6	78	0.67	250	1200
0.50 mm ²	39	20	120	9	78	0.67	300/500	2000
0.75 mm ²	26	20	120	12	78	0.67	300/500	2000
1.00 mm ²	19.5	20	130	15	78	0.67	300/500	2000
1.5 mm ²	13.3	20	140	18	78	0.67	300/500	2000
2.5 mm ²	7.98	20	150	26	78	0.67	300/500	2000
4.0 mm ²	4.95	20	150	34	78	0.67	300/500	2000
6.0 mm ²	3.3	20	150	44	78	0.67	300/500	2000
10 mm ²	1.91	20	150	61	78	0.67	300/500	2000
16 mm ²	1.21	20	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

LIY(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)
3.550.2.1.2.0022.0.0002	2	0.22	7.2	26.5	54	100/500/1000
3.550.2.1.2.0022.0.0003	3	0.22	7.7	33.7	68	100/500/1000
3.550.2.1.2.0022.0.0004	4	0.22	8.6	41.9	86	100/500/1000
3.550.2.1.2.0022.0.0005	5	0.22	9.4	49.3	100	100/500/1000
3.550.2.1.2.0022.0.0006	6	0.22	11	57.8	117	100/500/1000
3.550.2.1.2.0022.0.0007	7	0.22	11	64.3	130	100/500/1000
3.550.2.1.2.0022.0.0008	8	0.22	12	72.1	144	100/500/1000
3.550.2.1.2.0022.0.0009	9	0.22	13	81.8	166	100/500/1000
3.550.2.1.2.0022.0.0010	10	0.22	14	88.3	179	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	28.3	58	100/500/1000
3.550.2.1.2.0025.0.0003	3	0.25	8.1	36.2	73	100/500/1000
3.550.2.1.2.0025.0.0004	4	0.25	9.2	44.5	92	100/500/1000
3.550.2.1.2.0025.0.0005	5	0.25	9.9	53.3	108	100/500/1000
3.550.2.1.2.0025.0.0006	6	0.25	11	62.2	127	100/500/1000
3.550.2.1.2.0025.0.0007	7	0.25	11	69.2	141	100/500/1000
3.550.2.1.2.0025.0.0008	8	0.25	12	77.6	157	100/500/1000
3.550.2.1.2.0025.0.0009	9	0.25	14	88.7	181	100/500/1000
3.550.2.1.2.0025.0.0010	10	0.25	14	95.7	195	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	33.1	70	100/500/1000
3.550.2.1.2.0034.0.0003	3	0.34	9.2	43.2	89	100/500/1000
3.550.2.1.2.0034.0.0004	4	0.34	11	53.7	110	100/500/1000
3.550.2.1.2.0034.0.0005	5	0.34	12	64	131	100/500/1000
3.550.2.1.2.0034.0.0006	6	0.34	13	75	151	100/500/1000
3.550.2.1.2.0034.0.0007	7	0.34	13	83.9	168	100/500/1000
3.550.2.1.2.0034.0.0008	8	0.34	14	94.6	188	100/500/1000
3.550.2.1.2.0034.0.0009	9	0.34	16	113.7	226	100/500/1000
3.550.2.1.2.0034.0.0010	10	0.34	16	122.5	243	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	93	100/500/1000
3.550.2.1.2.0050.0.0003	3	0.5	11	63.1	119	100/500/1000
3.550.2.1.2.0050.0.0004	4	0.5	12	78.1	149	100/500/1000
3.550.2.1.2.0050.0.0005	5	0.5	13	94.6	176	100/500/1000
3.550.2.1.2.0050.0.0006	6	0.5	13.7	110.7	207	100/500/1000
3.550.2.1.2.0050.0.0007	7	0.5	14	124.4	230	100/500/1000
3.550.2.1.2.0050.0.0008	8	0.5	16	145.9	263	100/500/1000
3.550.2.1.2.0050.0.0009	9	0.5	18	165.5	305	100/500/1000
3.550.2.1.2.0050.0.0010	10	0.5	17.7	179.2	325	100/500/1000

LIY(St)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	58.3	113	100/500/1000
3.550.2.1.2.0075.0.0003	3	0.75	12	77.6	141	100/500/1000
3.550.2.1.2.0075.0.0004	4	0.75	13	98.4	182	100/500/1000
3.550.2.1.2.0075.0.0005	5	0.75	14	118.9	215	100/500/1000
3.550.2.1.2.0075.0.0006	6	0.75	16	144.9	258	100/500/1000
3.550.2.1.2.0075.0.0007	7	0.75	16	163.1	286	100/500/1000
3.550.2.1.2.0075.0.0008	8	0.75	17	182.7	319	100/500/1000
3.550.2.1.2.0075.0.0009	9	0.75	20	207.4	371	100/500/1000
3.550.2.1.2.0075.0.0010	10	0.75	20	225.6	396	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	66.1	126	100/500/1000
3.550.2.1.2.0100.0.0003	3	1	13	88.9	163	100/500/1000
3.550.2.1.2.0100.0.0004	4	1	14	113.7	207	100/500/1000
3.550.2.1.2.0100.0.0005	5	1	15	143.1	250	100/500/1000
3.550.2.1.2.0100.0.0006	6	1	17	166.1	292	100/500/1000
3.550.2.1.2.0100.0.0007	7	1	17	187.5	325	100/500/1000
3.550.2.1.2.0100.0.0008	8	1	18	213.4	366	100/500/1000
3.550.2.1.2.0100.0.0009	9	1	6.8	246.8	424	100/500/1000
3.550.2.1.2.0100.0.0010	10	1	21	268.2	459	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	87.4	157	100/500/1000
3.550.2.1.2.0150.0.0003	3	1.5	14	118.8	204	100/500/1000
3.550.2.1.2.0150.0.0004	4	1.5	15	156.7	264	100/500/1000
3.550.2.1.2.0150.0.0005	5	1.5	16	191.1	315	100/500/1000
3.550.2.1.2.0150.0.0006	6	1.5	18	226.4	372	100/500/1000
3.550.2.1.2.0150.0.0007	7	1.5	18	257.1	416	100/500/1000
3.550.2.1.2.0150.0.0008	8	1.5	20	290.2	467	100/500/1000
3.550.2.1.2.0150.0.0009	9	1.5	23	334.1	544	100/500/1000
3.550.2.1.2.0150.0.0010	10	1.5	23	364.8	584	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	226	100/500/1000
3.550.2.1.2.0250.0.0003	3	2.5	14	180.9	297	100/500/1000
3.550.2.1.2.0250.0.0004	4	2.5	15	233.4	378	100/500/1000
3.550.2.1.2.0250.0.0005	5	2.5	16	284	452	100/500/1000
3.550.2.1.2.0250.0.0006	6	2.5	18	342.1	538	100/500/1000
3.550.2.1.2.0250.0.0007	7	2.5	18	390.1	604	100/500/1000
3.550.2.1.2.0250.0.0008	8	2.5	20	441.5	680	100/500/1000
3.550.2.1.2.0250.0.0009	9	2.5	23	503.8	787	100/500/1000
3.550.2.1.2.0250.0.0010	10	2.5	23	551.7	848	100/500/1000