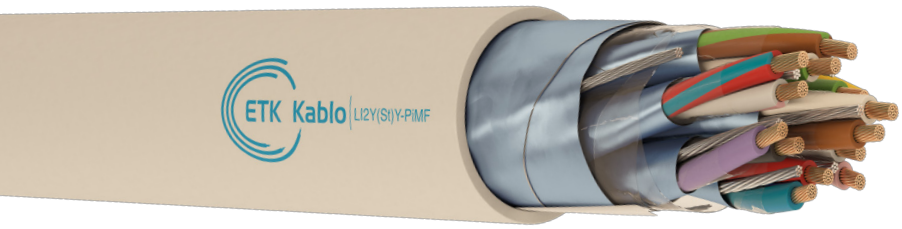
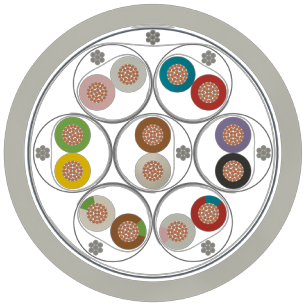
ETK Kablo

Electronic Control Cables
Signal Cables
LI2Y(St)Y-PiMF

RoHS REACH CE





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	: 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 mm²	138	5000	110	2	78	0.67	250	1200
0.22 mm²	85	5000	110	2.5	78	0.67	250	1200
0.25 mm²	77.8	5000	110	4.5	78	0.67	250	1200
0.34 mm²	56	5000	110	6	78	0.67	250	1200
0.50 mm²	39	5000	120	9	78	0.67	300/500	2000
0.75 mm²	26	5000	120	12	78	0.67	300/500	2000
1.00 mm²	19.5	5000	130	15	78	0.67	300/500	2000
1.5 mm²	13.3	5000	140	18	78	0.67	300/500	2000
2.5 mm²	7.98	5000	150	26	78	0.67	300/500	2000
4.0 mm²	4.95	5000	150	34	78	0.67	300/500	2000
6.0 mm²	3.3	5000	150	44	78	0.67	300/500	2000
10 mm²	1.91	5000	150	61	78	0.67	300/500	2000
16 mm²	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 compatability (EMC)
Color code could be JZ, OZ, JB, OB according to customer demand.
Reference Standard: DIN VDE 0812

LI2Y(St)Y-PiMF

Part Number	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.551.2.1.2.0022.0.0002	2	0.22	7	15.1	41	100/500/1000
3.551.2.1.2.0022.0.0003	3	0.22	7.5	21.6	53	100/500/1000
3.551.2.1.2.0022.0.0004	4	0.22	8.4	28	69	100/500/1000
3.551.2.1.2.0022.0.0005	5	0.22	9.2	34.5	81	100/500/1000
3.551.2.1.2.0022.0.0006	6	0.22	11	40.9	95	100/500/1000
3.551.2.1.2.0022.0.0007	7	0.22	11	47.4	107	100/500/1000
3.551.2.1.2.0022.0.0008	8	0.22	11	53.8	119	100/500/1000
3.551.2.1.2.0022.0.0009	9	0.22	13	60.3	136	100/500/1000
3.551.2.1.2.0022.0.0010	10	0.22	13	66.7	148	100/500/1000

Part Number	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.551.2.1.2.0025.0.0002	2	0.25	7.4	16.2	44	100/500/1000
3.551.2.1.2.0025.0.0003	3	0.25	7.9	23.2	57	100/500/1000
3.551.2.1.2.0025.0.0004	4	0.25	8.8	30.2	74	100/500/1000
3.551.2.1.2.0025.0.0005	5	0.25	9.7	37.1	87	100/500/1000
3.551.2.1.2.0025.0.0006	6	0.25	11	44.1	103	100/500/1000
3.551.2.1.2.0025.0.0007	7	0.25	11	51.1	115	100/500/1000
3.551.2.1.2.0025.0.0008	8	0.25	12	58.1	129	100/500/1000
3.551.2.1.2.0025.0.0009	9	0.25	14	65.1	148	100/500/1000
3.551.2.1.2.0025.0.0010	10	0.25	14	72.1	162	100/500/1000

Part Number	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.551.2.1.2.0034.0.0002	2	0.34	8.2	19.9	54	100/500/1000
3.551.2.1.2.0034.0.0003	3	0.34	8.8	28.8	70	100/500/1000
3.551.2.1.2.0034.0.0004	4	0.34	9.7	37.7	88	100/500/1000
3.551.2.1.2.0034.0.0005	5	0.34	11	46.5	107	100/500/1000
3.551.2.1.2.0034.0.0006	6	0.34	12	55.4	124	100/500/1000
3.551.2.1.2.0034.0.0007	7	0.34	12	64.3	139	100/500/1000
3.551.2.1.2.0034.0.0008	8	0.34	13	73.1	156	100/500/1000
3.551.2.1.2.0034.0.0009	9	0.34	16	82	182	100/500/1000
3.551.2.1.2.0034.0.0010	10	0.34	16	90.9	198	100/500/1000

Part Number	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.551.2.1.2.0050.0.0002	2	0.5	9.5	32.3	74	100/500/1000
3.551.2.1.2.0050.0.0003	3	0.5	11	46	97	100/500/1000
3.551.2.1.2.0050.0.0004	4	0.5	12	59.7	124	100/500/1000
3.551.2.1.2.0050.0.0005	5	0.5	13	73.5	146	100/500/1000
3.551.2.1.2.0050.0.0006	6	0.5	14	87.2	173	100/500/1000
3.551.2.1.2.0050.0.0007	7	0.5	14	100.9	194	100/500/1000
3.551.2.1.2.0050.0.0008	8	0.5	15	114.6	218	100/500/1000
3.551.2.1.2.0050.0.0009	9	0.5	18	128.3	253	100/500/1000
3.551.2.1.2.0050.0.0010	10	0.5	18	142.1	271	100/500/1000

LI2Y(St)Y-PiMF

Part Number	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.551.2.1.2.0075.0.0002	2	0.75	11	41.2	90	100/500/1000
3.551.2.1.2.0075.0.0003	3	0.75	12	59.3	118	100/500/1000
3.551.2.1.2.0075.0.0004	4	0.75	13	77.4	153	100/500/1000
3.551.2.1.2.0075.0.0005	5	0.75	14	95.6	182	100/500/1000
3.551.2.1.2.0075.0.0006	6	0.75	15	113.7	214	100/500/1000
3.551.2.1.2.0075.0.0007	7	0.75	15	131.9	241	100/500/1000
3.551.2.1.2.0075.0.0008	8	0.75	17	150	270	100/500/1000
3.551.2.1.2.0075.0.0009	9	0.75	20	168.2	314	100/500/1000
3.551.2.1.2.0075.0.0010	10	0.75	20	186.3	336	100/500/1000

Part Number	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.551.2.1.2.0100.0.0002	2	1	12	47.8	103	100/500/1000
3.551.2.1.2.0100.0.0003	3	1	12	69.3	136	100/500/1000
3.551.2.1.2.0100.0.0004	4	1	14	90.7	174	100/500/1000
3.551.2.1.2.0100.0.0005	5	1	15	112.2	207	100/500/1000
3.551.2.1.2.0100.0.0006	6	1	16	133.6	245	100/500/1000
3.551.2.1.2.0100.0.0007	7	1	16	155.1	275	100/500/1000
3.551.2.1.2.0100.0.0008	8	1	18	176.5	310	100/500/1000
3.551.2.1.2.0100.0.0009	9	1	21	198	354	100/500/1000
3.551.2.1.2.0100.0.0010	10	1	21	219.5	386	100/500/1000

Part Number	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.551.2.1.2.0150.0.0002	2	1.5	12	66.3	127	100/500/1000
3.551.2.1.2.0150.0.0003	3	1.5	13	97	169	100/500/1000
3.551.2.1.2.0150.0.0004	4	1.5	15	127.7	218	100/500/1000
3.551.2.1.2.0150.0.0005	5	1.5	16	158.5	261	100/500/1000
3.551.2.1.2.0150.0.0006	6	1.5	18	189.2	309	100/500/1000
3.551.2.1.2.0150.0.0007	7	1.5	18	219.9	349	100/500/1000
3.551.2.1.2.0150.0.0008	8	1.5	19	250.6	393	100/500/1000
3.551.2.1.2.0150.0.0009	9	1.5	23	281.3	454	100/500/1000
3.551.2.1.2.0150.0.0010	10	1.5	23	312	489	100/500/1000

Part Number	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.551.2.1.2.0250.0.0002	2	2.5	15	100.8	186	100/500/1000
3.551.2.1.2.0250.0.0003	3	2.5	16	148.7	251	100/500/1000
3.551.2.1.2.0250.0.0004	4	2.5	18	196.7	324	100/500/1000
3.551.2.1.2.0250.0.0005	5	2.5	20	244.6	390	100/500/1000
3.551.2.1.2.0250.0.0006	6	2.5	22	292.6	462	100/500/1000
3.551.2.1.2.0250.0.0007	7	2.5	22	340.5	523	100/500/1000
3.551.2.1.2.0250.0.0008	8	2.5	24	388.4	591	100/500/1000
3.551.2.1.2.0250.0.0009	9	2.5	28	503.8	744	100/500/1000
3.551.2.1.2.0250.0.0010	10	2.5	28	484.3	736	100/500/1000