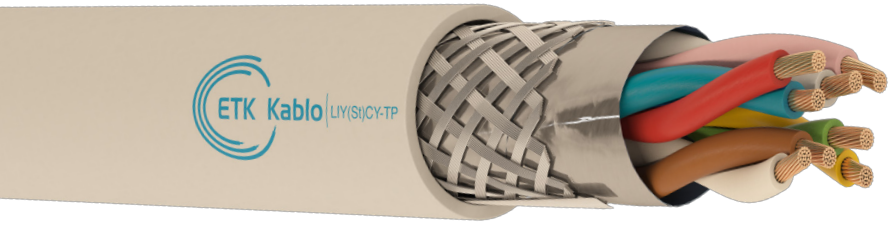
ETK Kablo

Electronic Control Cables
Signal Cables
LIY(St)CY-TP

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.
. 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 : Insulations are stranded into pairs and all pairs are stranded together.
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 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	200	110	2	78	0.67	250	1200
0.22 mm²	85	200	110	2.5	78	0.67	250	1200
0.25 mm²	77.8	200	110	4.5	78	0.67	250	1200
0.34 mm²	56	200	110	6	78	0.67	250	1200
0.50 mm²	39	20	120	9	78	0.67	300/500	2000
0.75 mm²	26	20	120	12	78	0.67	300/500	2000
1.00 mm²	19.5	20	130	15	78	0.67	300/500	2000
1.5 mm²	13.3	20	140	18	78	0.67	300/500	2000
2.5 mm²	7.98	20	150	26	78	0.67	300/500	2000
4.0 mm²	4.95	20	150	34	78	0.67	300/500	2000
6.0 mm²	3.3	20	150	44	78	0.67	300/500	2000
10 mm²	1.91	20	150	61	78	0.67	300/500	2000
16 mm²	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 compatability (EMC)
Color code could be JZ, OZ, JB, OB according to customer demand.
Reference Standard: DIN VDE 0812

LIY(St)CY-TP

Part Number	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.523.2.2.2.0050.0.0001	1	0.5	5.1	14.3	34	100/500/1000
3.523.2.2.2.0050.0.0002	2	0.5	6.8	24.8	57	100/500/1000
3.523.2.2.2.0050.0.0003	3	0.5	7.9	35.3	78	100/500/1000
3.523.2.2.2.0050.0.0004	4	0.5	9.6	46.4	105	100/500/1000
3.523.2.2.2.0050.0.0005	5	0.5	10	55.6	121	100/500/1000
3.523.2.2.2.0050.0.0006	6	0.5	10.7	65.1	141	100/500/1000
3.523.2.2.2.0050.0.0007	7	0.5	11.6	75.1	163	100/500/1000
3.523.2.2.2.0050.0.0008	8	0.5	12.1	85.3	180	100/500/1000
3.523.2.2.2.0050.0.0009	9	0.5	12.8	94.5	201	100/500/1000
3.523.2.2.2.0050.0.0010	10	0.5	13.4	105.9	220	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)**
3.523.2.2.2.0075.0.0001	1	0.75	5.6	18.8	43	100/500/1000
3.523.2.2.2.0075.0.0002	2	0.75	7.8	35.3	75	100/500/1000
3.523.2.2.2.0075.0.0003	3	0.75	8.4	48.7	97	100/500/1000
3.523.2.2.2.0075.0.0004	4	0.75	9.3	63.8	125	100/500/1000
3.523.2.2.2.0075.0.0005	5	0.75	10.2	77.6	149	100/500/1000
3.523.2.2.2.0075.0.0006	6	0.75	11.1	92.5	176	100/500/1000
3.523.2.2.2.0075.0.0007	7	0.75	11.2	105.8	197	100/500/1000
3.523.2.2.2.0075.0.0008	8	0.75	12.1	120.5	222	100/500/1000
3.523.2.2.2.0075.0.0009	9	0.75	14.3	136.8	258	100/500/1000
3.523.2.2.2.0075.0.0010	10	0.75	14.3	150	276	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)**
3.523.2.2.2.0100.0.0001	1	1	6	22.6	49	100/500/1000
3.523.2.2.2.0100.0.0002	2	1	8.3	42.6	84	100/500/1000
3.523.2.2.2.0100.0.0003	3	1	9	60.4	115	100/500/1000
3.523.2.2.2.0100.0.0004	4	1	10	78.2	148	100/500/1000
3.523.2.2.2.0100.0.0005	5	1	11	95.9	176	100/500/1000
3.523.2.2.2.0100.0.0006	6	1	12.1	113.9	208	100/500/1000
3.523.2.2.2.0100.0.0007	7	1	12.2	130.5	234	100/500/1000
3.523.2.2.2.0100.0.0008	8	1	13.2	147.8	263	100/500/1000
3.523.2.2.2.0100.0.0009	9	1	15.5	169.8	307	100/500/1000
3.523.2.2.2.0100.0.0010	10	1	15.5	184.3	328	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)**
3.523.2.2.2.0150.0.0001	1	1.5	6.7	32.7	64	100/500/1000
3.523.2.2.2.0150.0.0002	2	1.5	9.3	62.6	112	100/500/1000
3.523.2.2.2.0150.0.0003	3	1.5	9.1	88.2	138	100/500/1000
3.523.2.2.2.0150.0.0004	4	1.5	10.1	114.6	177	100/500/1000
3.523.2.2.2.0150.0.0005	5	1.5	11.1	142.2	213	100/500/1000
3.523.2.2.2.0150.0.0006	6	1.5	12.2	169.5	252	100/500/1000
3.523.2.2.2.0150.0.0007	7	1.5	12.3	195.3	285	100/500/1000
3.523.2.2.2.0150.0.0008	8	1.5	13.3	221.8	321	100/500/1000
3.523.2.2.2.0150.0.0009	9	1.5	15.6	253.2	372	100/500/1000
3.523.2.2.2.0150.0.0010	10	1.5	15.6	279	402	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)**
3.523.2.2.2.0250.0.0001	1	2.5	7.9	51.9	92	100/500/1000
3.523.2.2.2.0250.0.0002	2	2.5	10.7	98.2	162	100/500/1000
3.523.2.2.2.0250.0.0003	3	2.5	12.5	144	229	100/500/1000
3.523.2.2.2.0250.0.0004	4	2.5	15.4	190.8	306	100/500/1000
3.523.2.2.2.0250.0.0005	5	2.5	16.1	234.6	364	100/500/1000