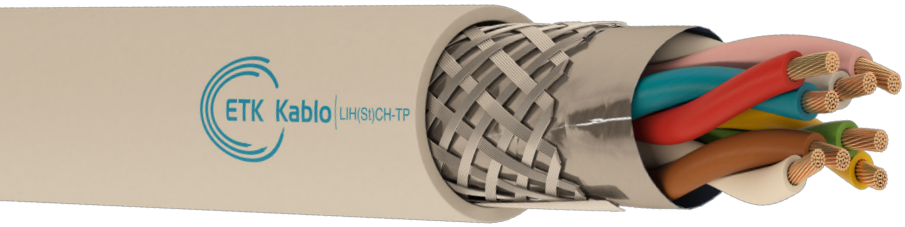
ETK Kablo

Electronic Control Cables
Signal Cables
LIH(St)CH-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.
. Automation systems.
. In data transmission systems for high frequency transmission.
. In places where human life, valuable materials and equipments need to be protected.
. Suitable for indoor and outdoor applications.
. Suitable for dry and wet conditions.

Cable Construction

1 - Conductor	: Stranded electrolytic copper conductor (Class 5) (IEC 60228, EN 60228, DIN VDE 0295)
2 - Insulation	: Halogen-free (TS IEC 60189-2, EN 50290-2-26) (DIN 47100)
3 - Stranding	: In layers
4 - Wrapping	: Polyester tape
5 - Screen	: Al/PET tape, tinned copper braiding
6 - Outer Jacket	: UV resistant halogen-free 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

Smoke Density Test	Corrosive Gas Test	Halogen-free Test	Flame Retardancy Test	Flame Propagation Test
IEC 61034-2, VDE 0482-1034-2, EN 61034-2	IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3	IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2	IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-3-24

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

LIH(St)CH-TP

Part Number	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.538.2.3.3.0050.0.0001	1	0.5	5.2	14.3	35	100/500/1000
3.538.2.3.3.0050.0.0002	2	0.5	6.7	24.8	56	100/500/1000
3.538.2.3.3.0050.0.0003	3	0.5	7.7	35.1	73	100/500/1000
3.538.2.3.3.0050.0.0004	4	0.5	9.5	46.4	102	100/500/1000
3.538.2.3.3.0050.0.0005	5	0.5	9.9	55.5	117	100/500/1000
3.538.2.3.3.0050.0.0006	6	0.5	10.5	64.7	134	100/500/1000
3.538.2.3.3.0050.0.0007	7	0.5	11.4	75.1	155	100/500/1000
3.538.2.3.3.0050.0.0008	8	0.5	11.9	84.1	171	100/500/1000
3.538.2.3.3.0050.0.0009	9	0.5	12.6	94.4	191	100/500/1000
3.538.2.3.3.0050.0.0010	10	0.5	13.1	103.6	207	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)**
3.538.2.3.3.0075.0.0001	1	0.75	5.7	18.9	43	100/500/1000
3.538.2.3.3.0075.0.0002	2	0.75	7.5	34.7	72	100/500/1000
3.538.2.3.3.0075.0.0003	3	0.75	8.6	49.2	98	100/500/1000
3.538.2.3.3.0075.0.0004	4	0.75	10.6	65.1	132	100/500/1000
3.538.2.3.3.0075.0.0005	5	0.75	11	79.3	152	100/500/1000
3.538.2.3.3.0075.0.0006	6	0.75	11.7	92.8	176	100/500/1000
3.538.2.3.3.0075.0.0007	7	0.75	12.7	107.7	203	100/500/1000
3.538.2.3.3.0075.0.0008	8	0.75	13.2	121.4	224	100/500/1000
3.538.2.3.3.0075.0.0009	9	0.75	14	136.6	250	100/500/1000
3.538.2.3.3.0075.0.0010	10	0.75	14.6	150.4	272	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)**
3.538.2.3.3.0100.0.0001	1	1	6.1	23.3	50	100/500/1000
3.538.2.3.3.0100.0.0002	2	1	8.1	42	84	100/500/1000
3.538.2.3.3.0100.0.0003	3	1	9.3	60.1	115	100/500/1000
3.538.2.3.3.0100.0.0004	4	1	11.4	79.5	154	100/500/1000
3.538.2.3.3.0100.0.0005	5	1	11.9	97.4	179	100/500/1000
3.538.2.3.3.0100.0.0006	6	1	12.7	114.4	207	100/500/1000
3.538.2.3.3.0100.0.0007	7	1	13.8	131.7	239	100/500/1000
3.538.2.3.3.0100.0.0008	8	1	14.4	150.3	266	100/500/1000
3.538.2.3.3.0100.0.0009	9	1	15.2	167.5	296	100/500/1000
3.538.2.3.3.0100.0.0010	10	1	15.8	184.8	322	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)**
3.538.2.3.3.0150.0.0001	1	1.5	6.8	33	65	100/500/1000
3.538.2.3.3.0150.0.0002	2	1.5	9	61.8	111	100/500/1000
3.538.2.3.3.0150.0.0003	3	1.5	10.5	89.2	153	100/500/1000
3.538.2.3.3.0150.0.0004	4	1.5	12.8	118.4	205	100/500/1000
3.538.2.3.3.0150.0.0005	5	1.5	13.4	144.6	240	100/500/1000
3.538.2.3.3.0150.0.0006	6	1.5	14.2	172.5	281	100/500/1000
3.538.2.3.3.0150.0.0007	7	1.5	15.5	199.5	324	100/500/1000
3.538.2.3.3.0150.0.0008	8	1.5	16.2	225.9	360	100/500/1000
3.538.2.3.3.0150.0.0009	9	1.5	17.1	252.6	401	100/500/1000
3.538.2.3.3.0150.0.0010	10	1.5	17.8	281.4	440	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)**
3.538.2.3.3.0250.0.0001	1	2.5	8	51.9	92	100/500/1000
3.538.2.3.3.0250.0.0002	2	2.5	10.8	99.1	161	100/500/1000
3.538.2.3.3.0250.0.0003	3	2.5	12.6	144.2	226	100/500/1000
3.538.2.3.3.0250.0.0004	4	2.5	15.4	191	302	100/500/1000
3.538.2.3.3.0250.0.0005	5	2.5	16.2	234.8	357	100/500/1000