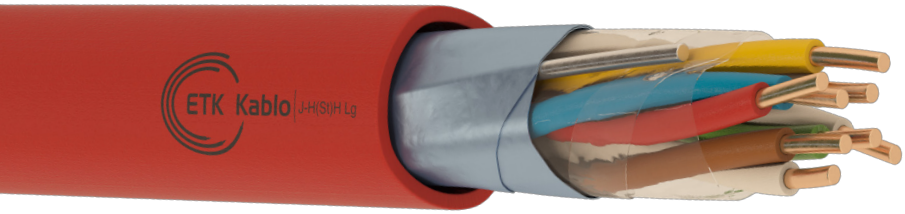
ETK Kablo

Electronic Control Cables
Fire Alarm Cables
J-H(St)H Lg

TSEK EAC

RoHS REACH CE



Application

· In places where human life, valuable materials and equipments need to be protected.
· In crowded indoor environments.
· At instrumentation and control engineering.
· At industrial electronics.
· Computer and office devices.
· Indoor communication systems.
· Indoor sound systems.
· Security and fire alarm systems.

Cable Construction

1 - Conductor	: Class 1 electrolytic solid copper (IEC 60228, DIN VDE 0295, EN 60228)
2 - Insulation	: HFFR compound (VDE 0815, EN 50290-2-26)
3 - Stranding	: Two pairs are stranded into a star-quad, above two pairs are stranded together in layers.
4 - Wrapping	: Polyester tape
5 - Screen	: Tinned copper earthing wire, Al/PET tape
6 - Outer Jacket	: UV resistant halogen-free outer jacket. RAL 3000 (Red)

Technical Characteristics

Conductor Diameter	Conductor Resistance Ω/km (20 °C)	Insulation Resistance MΩ/km (500 V DC)	Mutual Capacitance nF/km (800 Hz)	Operating Voltage V DC	Test Voltage V (DC, 1 minute)
0.60 mm	130	100	100	300	800
0.80 mm	73.2	100	100	300	800
1.00 mm	44.6	100	100	300	1000
1.5 mm²	24.6	100	100	300	1000
2.5 mm²	15.1	100	100	300	1000

Mechanical Characteristics

Bending Radius	Temperature Range Operating
10xD 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 60332-3-24, VDE 0482-332-3-24, EN 60332-2-24	IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2

Notes
Reference Standard: DIN VDE 0815, TSEK

J-H(St)H Lg

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.644.1.3.3.0060.0.0001	1	0.6	4.1	7.2	22	100/500/1000
3.644.1.3.3.0060.0.0002	2	0.6	4.7	12.5	32	100/500/1000
3.644.1.3.3.0060.0.0003	3	0.6	6.1	17.8	46	100/500/1000
3.644.1.3.3.0060.0.0004	4	0.6	7.2	23.1	58	100/500/1000
3.644.1.3.3.0060.0.0005	5	0.6	7.5	28.4	69	100/500/1000
3.644.1.3.3.0060.0.0006	6	0.6	9.1	33.7	84	100/500/1000
3.644.1.3.3.0060.0.0008	8	0.6	9.3	44.3	101	100/500/1000
3.644.1.3.3.0060.0.0010	10	0.6	9.7	54.9	119	100/500/1000
3.644.1.3.3.0060.0.0012	12	0.6	10.4	65.6	138	100/500/1000
3.644.1.3.3.0060.0.0014	14	0.6	11.3	76.2	162	100/500/1000
3.644.1.3.3.0060.0.0016	16	0.6	11.9	86.8	180	100/500/1000
3.644.1.3.3.0060.0.0020	20	0.6	13.3	108	218	100/500/1000
3.644.1.3.3.0060.0.0024	24	0.6	14.3	129.2	259	100/500/1000
3.644.1.3.3.0060.0.0025	25	0.6	14.5	134.5	268	100/500/1000
3.644.1.3.3.0060.0.0030	30	0.6	18.8	161.1	339	100/500/1000
3.644.1.3.3.0060.0.0040	40	0.6	20.8	214.1	428	100/500/1000
3.644.1.3.3.0060.0.0050	50	0.6	23	267.2	518	100/500/1000
3.644.1.3.3.0060.0.0060	60	0.6	25.1	320.2	620	100/500/1000
3.644.1.3.3.0060.0.0080	80	0.6	28.1	426.3	792	100/500/1000
3.644.1.3.3.0060.0.0100	100	0.6	32.1	532.4	986	100/500/1000

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.644.1.3.3.0080.0.0001	1	0.8	4.6	11.3	29	100/500/1000
3.644.1.3.3.0080.0.0002	2	0.8	5.3	20.7	44	100/500/1000
3.644.1.3.3.0080.0.0003	3	0.8	6.9	30.2	65	100/500/1000
3.644.1.3.3.0080.0.0004	4	0.8	8.1	39.6	82	100/500/1000
3.644.1.3.3.0080.0.0005	5	0.8	8.6	49.1	98	100/500/1000
3.644.1.3.3.0080.0.0006	6	0.8	10.4	58.5	119	100/500/1000
3.644.1.3.3.0080.0.0008	8	0.8	10.7	77.3	145	100/500/1000
3.644.1.3.3.0080.0.0010	10	0.8	11.1	96.2	173	100/500/1000
3.644.1.3.3.0080.0.0012	12	0.8	11.8	115.1	199	100/500/1000
3.644.1.3.3.0080.0.0014	14	0.8	12.8	133.9	233	100/500/1000
3.644.1.3.3.0080.0.0016	16	0.8	13.5	152.8	261	100/500/1000
3.644.1.3.3.0080.0.0020	20	0.8	15.2	190.5	318	100/500/1000
3.644.1.3.3.0080.0.0024	24	0.8	16.2	228.3	379	100/500/1000
3.644.1.3.3.0080.0.0025	25	0.8	16.5	237.7	391	100/500/1000
3.644.1.3.3.0080.0.0030	30	0.8	21.3	284.8	482	100/500/1000
3.644.1.3.3.0080.0.0040	40	0.8	23.8	379.2	629	100/500/1000
3.644.1.3.3.0080.0.0050	50	0.8	26.4	473.5	766	100/500/1000
3.644.1.3.3.0080.0.0060	60	0.8	28.8	567.8	918	100/500/1000
3.644.1.3.3.0080.0.0080	80	0.8	32.3	756.4	1184	100/500/1000
3.644.1.3.3.0080.0.0100	100	0.8	36.8	945.1	1458	100/500/1000

J-H(St)H Lg

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.644.1.3.3.0100.0.0001	1	1	5.5	19.6	42	100/500/1000
3.644.1.3.3.0100.0.0002	2	1	6.3	34.4	65	100/500/1000
3.644.1.3.3.0100.0.0003	3	1	8.1	49.5	92	100/500/1000
3.644.1.3.3.0100.0.0004	4	1	9.6	64.3	117	100/500/1000
3.644.1.3.3.0100.0.0005	5	1	10.1	79.2	140	100/500/1000
3.644.1.3.3.0100.0.0006	6	1	12.3	94.1	170	100/500/1000
3.644.1.3.3.0100.0.0008	8	1	12.7	123.9	212	100/500/1000
3.644.1.3.3.0100.0.0010	10	1	13.1	153.6	251	100/500/1000
3.644.1.3.3.0100.0.0012	12	1	14	183.4	290	100/500/1000
3.644.1.3.3.0100.0.0014	14	1	15.2	213.1	339	100/500/1000
3.644.1.3.3.0100.0.0016	16	1	16.1	242.9	381	100/500/1000
3.644.1.3.3.0100.0.0020	20	1	18	302.4	465	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)
3.644.1.3.3.0150.0.0001	1	1.5	6.8	32.2	64	100/500/1000
3.644.1.3.3.0150.0.0002	2	1.5	7.8	59.6	105	100/500/1000
3.644.1.3.3.0150.0.0003	3	1.5	10.2	87.4	151	100/500/1000
3.644.1.3.3.0150.0.0004	4	1.5	12.5	114.9	201	100/500/1000
3.644.1.3.3.0150.0.0005	5	1.5	13.1	142.4	238	100/500/1000
3.644.1.3.3.0150.0.0006	6	1.5	16.2	170	297	100/500/1000
3.644.1.3.3.0150.0.0008	8	1.5	16.9	225	377	100/500/1000
3.644.1.3.3.0150.0.0010	10	1.5	17.4	280	448	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)
3.644.1.3.3.0250.0.0001	1	2.5	7.8	49.7	90	100/500/1000
3.644.1.3.3.0250.0.0002	2	2.5	9	94.5	151	100/500/1000
3.644.1.3.3.0250.0.0003	3	2.5	11.9	140	219	100/500/1000
3.644.1.3.3.0250.0.0004	4	2.5	14.5	185	289	100/500/1000
3.644.1.3.3.0250.0.0005	5	2.5	15.1	230.1	346	100/500/1000
3.644.1.3.3.0250.0.0006	6	2.5	18.9	275.1	429	100/500/1000
3.644.1.3.3.0250.0.0008	8	2.5	19.7	365.2	549	100/500/1000
3.644.1.3.3.0250.0.0010	10	2.5	20.3	455.3	660	100/500/1000