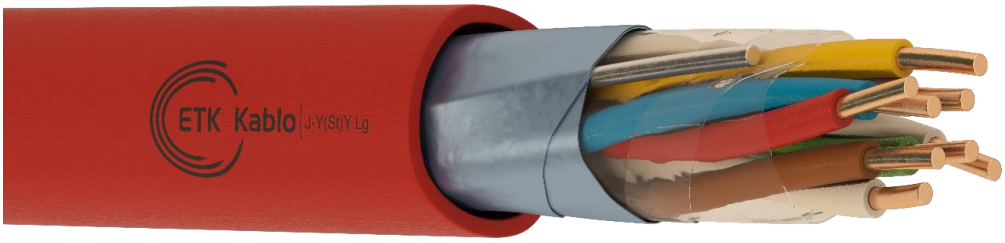
Electronic Control Cables
Fire Alarm Cables

J-Y(St)Y Lg





Application

- At instrumentation and control engineering.
- At industrial electronics.
- Computer and office devices.
- Indoor communication systems.
- Indoor sound systems.
- Security and fire alarm systems.

*Images are illustrative purpose only

Cable Construction

1-	Conductor	:	Class 1 electrolytic solid copper (IEC 60228, DIN VDE 0295, EN 60228)
2-	Insulation	:	PVC compound (VDE 0815, EN 50290-2-21)
3-	Stranding	:	Insulations are stranded into pairs, two pairs are stranded together 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 PVC outer jacket. RAL 3000 (Red) or RAL 7035 (Grey)

Technical Characteristics

Cross Section	Conductor Resistance (20 °C) Ω/km	Insulation Resistance (20 °C) M Ω/km	Mutual Capacitance nF/km	Operating Voltage V DC	Test Voltage (1 minute) V DC
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
1.50 mm²	24.6	100	100	300	1000
2.50 mm²	15.1	100	100	300	1000

Mechanical Characteristics

Bending Radius	Temperature Range Operating
7.5xD mm	-30°C ~ +70°C

Standards

Flame Retardancy Test
IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2

Notes

Reference Standard: DIN VDE 0815, TSEK

J-Y(St)Y Lg

Part Number	Pair Count	Conductor Cross Section	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.640.1.2.2.0050.0.0002	2	0.50 mm	4.7	9.2	29	500/1000
3.640.1.2.2.0050.0.0050	50	0.50 mm	14.4	186.1	310	500/1000
3.640.1.2.2.0050.0.0100	100	0.50 mm	19.7	370.3	580	500/1000
3.641.1.2.2.0060.0.0001	1	0.60 mm	4.1	8.0	22	500/1000
3.641.1.2.2.0060.0.0002	2	0.60 mm	4.7	13.3	32	500/1000
3.641.1.2.2.0060.0.0003	3	0.60 mm	6.1	18.6	46	500/1000
3.641.1.2.2.0060.0.0004	4	0.60 mm	7.2	23.9	58	500/1000
3.641.1.2.2.0060.0.0005	5	0.60 mm	7.6	29.2	68	500/1000
3.641.1.2.2.0060.0.0006	6	0.60 mm	9.1	34.5	83	500/1000
3.641.1.2.2.0060.0.0008	8	0.60 mm	9.4	45.1	98	500/1000
3.641.1.2.2.0060.0.0010	10	0.60 mm	9.7	55.8	116	500/1000
3.641.1.2.2.0060.0.0012	12	0.60 mm	10.4	66.4	134	500/1000
3.641.1.2.2.0060.0.0014	14	0.60 mm	11.3	77.0	158	500/1000
3.641.1.2.2.0060.0.0016	16	0.60 mm	11.9	87.6	176	500/1000
3.641.1.2.2.0060.0.0020	20	0.60 mm	13.3	108.8	212	500/1000
3.641.1.2.2.0060.0.0024	24	0.60 mm	14.7	130.0	267	500/1000
3.641.1.2.2.0060.0.0025	25	0.60 mm	14.5	135.3	261	500/1000
3.641.1.2.2.0060.0.0030	30	0.60 mm	18.7	161.9	330	500/1000
3.641.1.2.2.0060.0.0040	40	0.60 mm	20.7	214.9	416	500/1000
3.641.1.2.2.0060.0.0050	50	0.60 mm	22.9	268.0	503	500/1000
3.641.1.2.2.0060.0.0060	60	0.60 mm	25.0	321.0	602	500/1000
3.641.1.2.2.0060.0.0080	80	0.60 mm	28.1	427.1	769	500/1000
3.641.1.2.2.0060.0.0100	100	0.60 mm	32.0	533.2	957	500/1000
3.641.1.2.2.0080.0.0001	1	0.80 mm	4.7	14.2	31	500/1000
3.641.1.2.2.0080.0.0002	2	0.80 mm	5.4	23.6	47	500/1000
3.641.1.2.2.0080.0.0003	3	0.80 mm	7.0	33.1	66	500/1000
3.641.1.2.2.0080.0.0004	4	0.80 mm	8.2	42.5	84	500/1000
3.641.1.2.2.0080.0.0005	5	0.80 mm	8.7	51.9	99	500/1000
3.641.1.2.2.0080.0.0006	6	0.80 mm	10.5	61.4	119	500/1000
3.641.1.2.2.0080.0.0008	8	0.80 mm	10.8	80.2	144	500/1000
3.641.1.2.2.0080.0.0010	10	0.80 mm	11.2	99.1	172	500/1000
3.641.1.2.2.0080.0.0012	12	0.80 mm	11.9	118.0	197	500/1000
3.641.1.2.2.0080.0.0014	14	0.80 mm	12.9	136.8	231	500/1000
3.641.1.2.2.0080.0.0016	16	0.80 mm	13.6	155.7	258	500/1000
3.641.1.2.2.0080.0.0020	20	0.80 mm	15.1	193.4	314	500/1000
3.641.1.2.2.0080.0.0024	24	0.80 mm	16.4	231.1	374	500/1000
3.641.1.2.2.0080.0.0025	25	0.80 mm	16.6	240.6	387	500/1000
3.641.1.2.2.0080.0.0030	30	0.80 mm	21.3	287.7	473	500/1000
3.641.1.2.2.0080.0.0040	40	0.80 mm	23.8	382.0	616	500/1000
3.641.1.2.2.0080.0.0050	50	0.80 mm	26.3	476.4	751	500/1000
3.641.1.2.2.0080.0.0060	60	0.80 mm	28.8	570.7	899	500/1000
3.641.1.2.2.0080.0.0080	80	0.80 mm	32.3	759.3	1159	500/1000
3.641.1.2.2.0080.0.0100	100	0.80 mm	36.7	947.9	1421	500/1000

J-Y(St)Y Lg

Part Number	Pair Count	Conductor Cross Section	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.641.1.2.2.0100.0.0001	1	1.00 mm	5.6	24.4	46	500/1000
3.641.1.2.2.0100.0.0002	2	1.00 mm	6.4	40.8	70	500/1000
3.641.1.2.2.0100.0.0003	3	1.00 mm	8.1	57.3	98	500/1000
3.641.1.2.2.0100.0.0004	4	1.00 mm	9.7	73.7	124	500/1000
3.641.1.2.2.0100.0.0005	5	1.00 mm	10.2	90.1	148	500/1000
3.641.1.2.2.0100.0.0006	6	1.00 mm	12.4	106.6	178	500/1000
3.641.1.2.2.0100.0.0008	8	1.00 mm	12.8	139.4	222	500/1000
3.641.1.2.2.0100.0.0010	10	1.00 mm	13.2	172.2	261	500/1000
3.641.1.2.2.0100.0.0012	12	1.00 mm	14.1	205.0	304	500/1000
3.641.1.2.2.0100.0.0014	14	1.00 mm	15.3	237.8	355	500/1000
3.641.1.2.2.0100.0.0016	16	1.00 mm	16.2	270.6	399	500/1000
3.641.1.2.2.0100.0.0020	20	1.00 mm	17.9	336.2	487	500/1000
3.640.1.2.2.0150.0.0001	1	1.50 mm²	6.3	31.4	61	500/1000
3.640.1.2.2.0150.0.0002	2	1.50 mm²	7.8	58.0	101	500/1000
3.640.1.2.2.0150.0.0003	3	1.50 mm²	10.2	84.9	145	500/1000
3.640.1.2.2.0150.0.0004	4	1.50 mm²	12.5	111.7	193	500/1000
3.640.1.2.2.0150.0.0005	5	1.50 mm²	13.0	138.4	229	500/1000
3.640.1.2.2.0150.0.0006	6	1.50 mm²	16.2	165.1	284	500/1000
3.640.1.2.2.0150.0.0008	8	1.50 mm²	16.9	218.5	361	500/1000
3.640.1.2.2.0150.0.0010	10	1.50 mm²	17.4	272.0	430	500/1000
3.640.1.2.2.0250.0.0001	1	1.50 mm²	7.6	49.7	86	500/1000
3.640.1.2.2.0250.0.0002	2	1.50 mm²	7.6	94.9	133	500/1000
3.640.1.2.2.0250.0.0003	3	1.50 mm²	11.9	139.9	215	500/1000
3.640.1.2.2.0250.0.0004	4	1.50 mm²	14.4	185.0	283	500/1000
3.640.1.2.2.0250.0.0005	5	1.50 mm²	15.1	230.0	339	500/1000
3.640.1.2.2.0250.0.0006	6	1.50 mm²	18.9	275.1	418	500/1000
3.640.1.2.2.0250.0.0008	8	1.50 mm²	19.6	365.2	537	500/1000
3.640.1.2.2.0250.0.0010	10	1.50 mm²	20.2	455.3	646	500/1000