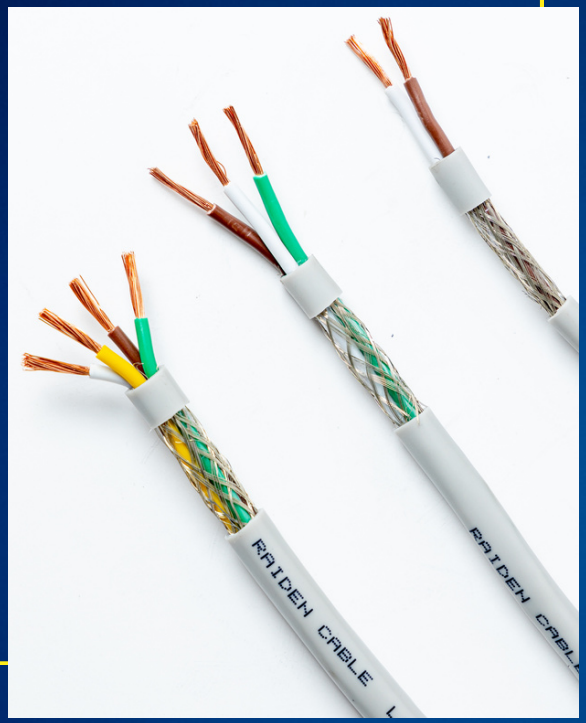
RAIDEN® INDUSTRIES



LIYCY SHIELDED CONTROL CABLE

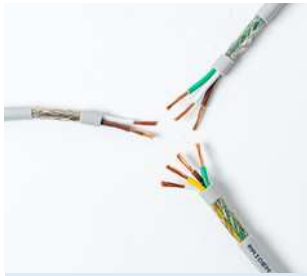
DESIGNED & MANUFACTURED IN THE UK

LIYCY - SHIELDED CONTROL CABLE

LIYCY - Shielded Control Cables are specifically designed for seamless connections in electronic control technology. These cables excel in signal and data transmission, making them ideal for voice frequency transmissions. Experience superior performance and reliable connectivity with our state-of-the-art LIYCY Shielded Control Cables, crafted to meet the demands of modern communication systems.

CABLE CONSTRUCTION

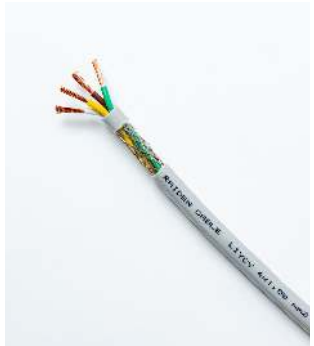
Inner Conductor:	Electrolytic Twisted Copper Wire, Class 5 IEC 60228; DIN VDE 0295
Insulation:	PVC, DIN 47100 Suitable for isolated color application EN 502902-2-21 TI52
Stranding:	Twisted in group
Polyester:	Pet Band 100% Coverage
Screen:	Tinned Copper Braid Wire
Outer sheath:	PVC, RAL 7001 Grey EN 50290-2-22 TM52



All Control Cable is tested in-house by our electricians before it goes out on hire.

TECHNICAL PROPERTIES

Operating Temperature	-30°C ... + 70°C
Min. Bending radius	15 x D
Insulation Resistance	200 MΩ x km
Operating Voltage	300/500 V
Test Voltage	2000 V
Packing	500 / 1000 m



STANDARDS

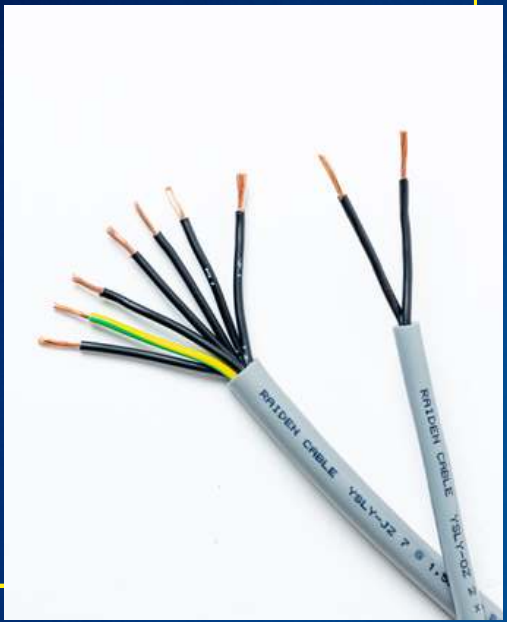
TSE K 353, DIN VDE 0812
EURO CLASS
FLAME RETARDANCY TEST
EN 60332-1-2
EMC
ELECTROMAGNETIC COMPATIBILITY

No. Of Cores x Cross Section (mm^2)	Overall Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)
2 x 0.50	5	9.6	38
3 x 0.50	5.3	14.4	45
4 x 0.50	5.8	19.2	56
5 x 0.50	6.4	24	70
6 x 0.50	7.2	28.8	82
7 x 0.50	7.2	33.6	89
8 x 0.50	8.2	38.4	115
9 x 0.50	8.9	43.2	132
10 x 0.50	9.2	48	139
12 x 0.50	9.5	57.6	154
18 x 0.50	11.2	86.4	220
20 x 0.50	12	96	250
21 x 0.50	12	100.8	255
25 x 0.50	13.4	120	310
34 x 0.50	15.4	163.2	414
2x 0.75	5.4	14.4	45
3 x 0.75	5.7	21.6	54
4 x 0.75	6.4	28.8	69
5 x 0.75	7	36	86
6 x 0.75	7.9	43.2	102
7 x 0.75	7.9	50.4	110
8 x 0.75	8.9	57.6	139
9 x 0.75	9.7	64.8	162
10 x0.75	10.1	72	172
12 x 0.75	10.5	86.4	192
18 x 0.75	12.4	129.6	275
20 x 0.75	13.2	144	310
21 x 0.75	13.2	151.2	315
25 x 0.75	14.6	180	380
34 x 0.75	17	244.8	517

No. Of Cores x Cross Section (mm^2)	Overall Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)
2 x1.00	5.7	19.2	53
3 x 1.00	6	28.8	63
4 x 1.00	6.7	38.4	82
5 x 1.00	7.4	48	100
6 x 1.00	8.3	57.6	119
7 x 1.00	8.3	67.2	129
12 x 1.00	10.8	149	221
14 x 1.00	11.4	169	249
16 x 1.00	12	189	278
18 x 1.00	13.1	223	326
20 x 1.00	13.1	238	367
25 x 1.00	15	304	438
2 x 1.50	6.9	43	71
3 x 1.50	7.3	58	91
4 x 1.50	8.2	82	124
5 x 1.50	8.9	97	146
6 x 1.50	9.9	112	173
7 x 1.50	9.9	127	192
8 x 1.50	11	143	213
9 x 1.50	12.5	162	264
10 x 1.50	12.5	191	285
12 x 1.50	13.2	220	326
14 x 1.50	13.9	250	369
16 x 1.50	14.6	280	411
18 x 1.50	15.8	318	470
20 x 1.50	15.8	342	510
25 x 1.50	18.2	425	622

RAIDEN INDUSTRIES

RAIDEN® INDUSTRIES



YSLY-JZ – UNSHIELDED CONTROL CABLE

DESIGNED & MANUFACTURED IN THE UK

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Phone
+44-752-366-2045

Website
raidenelectric.co.uk

YSLY-JZ – UNSHIELDED CONTROL CABLE

YSLY-JZ Unshielded Control Cables are specifically designed for a wide range of applications. These cables are perfect for measuring, monitoring, and control purposes in various industries, including machinery manufacturing, engineering, and power stations. They are also well-suited for use in heating, air conditioning, and other electrical systems within dry and damp interiors. Experience reliable performance and seamless connectivity with our top-of-the-line YSLY-JZ Unshielded Control Cables, crafted to meet the demanding requirements of modern industrial and commercial environments.

YSLY-JZ: BLACK CORES WITH WHITE NUMBERING, GREEN/YELLOW EARTHING CORE

CABLE CONSTRUCTION

Inner Conductor:	Electrolytic Twisted Copper Wire, Class 5 IEC 60228; DIN VDE 0295
Insulation:	PVC, EN 50334 black insulated cores with white number imprinted EN50363
Stranding:	Twisted in group
Outer Sheath:	PVC, RAL 7001 Grey EN 50363-4-1



TECHNICAL PROPERTIES

Operating Voltage	300/500 V
Test Voltage	2000 V
Insulation Resistance	20 MΩ x km
Min. Bending radius	10 x D
Operating Temperature	-30°C ... + 70°C
Installation Temperature	0°C ... + 50°C
Packing	500 / 1000 m



STANDARDS

TSE K 373
EURO CLASS
FLAME RETARDANCY TEST
EN 60332-1-2

No. Of Cores x Cross Section (mm^2)	Overall Diameter (mm)	Copper Weight (kg/km)	Cable Approx. Weight (kg/km)
2 x 0.50	5.1	20.7	38
3 x 0.50	5.4	25.7	47
4 x 0.50	5.8	30.6	55
5 x 0.50	6.3	37.6	66
6 x 0.50	6.8	42.7	66
7 x 0.50	6.8	47.5	82
8 x 0.50	8.3	56.4	94
9 x 0.50	8.8	62	113
10 x 0.50	8.8	74.6	122
12 x 0.50	9	84.7	138
14 x 0.50	9.6	94.8	158
16 x 0.50	10.1	109.1	179
18 x 0.50	11	119.5	196
20 x 0.50	11	127	226
25 x 0.50	12.6	169.4	275
2 x 0.75	5.7	25.8	46
3 x 0.75	6	35	59
4 x 0.75	6.5	42.5	71
5 x 0.75	7.1	52.1	86
6 x 0.75	7.7	59.7	98
7 x 0.75	7.7	67	108
8 x 0.75	8.7	76	117
9 x 0.75	10	85	128
10 x 0.75	10	104.3	165
12 x 0.75	10.4	119.2	187
14 x 0.75	10.9	134.5	210
16 x 0.75	11.5	150	234
18 x 0.75	12.1	165.5	257
20 x 0.75	12.1	184	282
25 x 0.75	14.4	234.2	361

No. Of Cores x Cross Section (mm^2)	Overall Diameter (mm)	Copper Weight (kg/km)	Cable Approx. Weight (kg/km)
2x 1.00	5.9	31	52
3 x 1.00	6.3	42	68
4 x 1.00	6.9	52	83
5 x 1.00	7.6	64	100
6 x 1.00	8.5	84	124
7 x 1.00	8.5	93	137
8 x 1.00	9.4	102	156
9 x 1.00	10.6	114	174
8 x 1.00	9.4	76.8	163
9 x 1.00	10.2	86.4	189
10 x 1.00	10.6	96	200
12 x 1.00	10.9	115.2	221
18 x 1.00	12.9	172.8	319
20 x 1.00	13.8	192	362
21 x 1.00	13.8	201.6	369
25 x 1.00	15.4	240	450
34 x 1.00	17.9	326.4	610
2 x 1.50	6.4	28.8	65
3 x 1.50	6.8	43.2	85
4 x 1.50	7.5	57.6	106
5 x 1.50	8.5	72	138
6 x 1.50	9.3	86.4	157
7 x 1.50	9.3	100.8	170
8 x 1.50	10.5	115.2	213
8 x 2.50	14.3	192	390
9 x 1.50	11.4	129.6	247

No. Of Cores x Cross Section (mm^2)	Overall Diameter (mm)	Copper Weight (kg/km)	Cable Approx. Weight (kg/km)
10 x 1.50	12	144	268
12 x 1.50	12.4	172.8	299
18 x 1.50	14.6	259.2	427
20 x 1.50	15.6	288	484
21 x 1.50	15.6	302.4	494
25 x 1.50	17.4	360	603
34 x 1.50	20.2	489.6	815