



Application

LiYCY cables are flexible multicore flame retardant screened signal and data transmission cables designed for indoor applications with increased requirements for electromagnetic compatibility such as process control units and computer systems.

Indoor installation for electronic control and regulating gear office machinery. These cables have feature for screening which defect external electrical influences and ensures precise flues transmission.

Standards

Generally to BS6500 and VDE0250

Conductor

Fine Wire Strands of Plain Annealed Copper strands to BS6360.

Insulation

PVC

Laying UP

Cores twisted together

Wrapping

Polyester tape

Screen

Tinned Copper Wire Braid

Sheath

Grey PVC

Voltage Rating

Working Test

0.14 - 0.34 mm² 250v 1000v

0.5 - 1.5 mm² 300v 2000v

2.5 - 6 mm² 500v 2000v

Temperature Range

Static -20°C to +80°C ,Flexing -5°C to +70°C

Minimum Bending Radius

Fixed: 6 x Cable Diameter ,Flexing: 15 x Cable Diameter

Core Identification

Number Coded, Black Cores with White Numbers + Green/Yellow

Mutual capacitance

C/C approx 120 nF / km ,C/C approx 160 nF/ km

Construction Parameters

0.14 mm 2 LiYCY control cable

CORES & MM 2	WEIGHT KG/KM	O/D MM

1 x 0.14	16	3.6
2 x 0.14	20	3.8
3 x 0.14	25	4.0
4 x 0.14	30	4.3
5 x 0.14	36	4.6
6 x 0.14	40	5.0
7 x 0.14	41	5.2
8 x 0.14	44	5.6
10 x 0.14	56	6.3
12 x 0.14	60	6.4
14 x 0.14	65	6.7
16 x 0.14	81	7.2
18 x 0.14	93	7.6
21 x 0.14	103	8.3
24 x 0.14	117	9.0
25 x 0.14	120	9.0
27 x 0.14	124	9.1
30 x 0.14	136	9.4
36 x 0.14	160	10.0
40 x 0.14	170	10.3
44 x 0.14	186	11.1
52 x 0.14	200	11.5
61 x 0.14	250	12.1

0.25 mm 2 LiYCY control cable

CORES & MM2	WEIGHT KG/KM	O/D MM
1 x 0.25	17	3.1
2 x 0.25	30	4.5
3 x 0.25	37	5.1
4 x 0.25	44	5.2

5 x 0.25	51	5.7
6 x 0.25	55	6.1
7 x 0.25	60	6.4
8 x 0.25	77	7.1
10 x 0.25	93	8.1
12 x 0.25	104	8.4
14 x 0.25	115	8.7
16 x 0.25	132	8.9
18 x 0.25	137	9.4
21 x 0.25	173	10.4
24 x 0.25	184	11.4
25 x 0.25	190	11.5
27 x 0.25	198	11.6
30 x 0.25	212	11.9
36 x 0.25	238	12.7
40 x 0.25	260	13.1
44 x 0.25	290	14.3
52 x 0.25	333	14.9
61 x 0.25	382	15.8

0.34 mm² LiYCY control cable

CORES & MM 2	WEIGHT KG/KM	O/D MM
2 x 0.34	33	5.0
3 x 0.34	42	5.4
4 x 0.34	49	5.8
5 x 0.34	59	6.1
6 x 0.34	64	6.6
7 x 0.34	69	6.7
8 x 0.34	84	7.4
10 x 0.34	106	8.5

12 x 0.34	119	8.7
14 x 0.34	132	9.1
16 x 0.34	146	9.6
18 x 0.34	188	10.1
21 x 0.34	193	10.9
24 x 0.34	213	12.0
27 x 0.34	232	12.3
30 x 0.34	253	12.7
36 x 0.34	292	13.6
40 x 0.34	318	14.0
52 x 0.34	400	15.8
61 x 0.34	454	16.6

0.5 mm² LiYCY control cable

CORES & MM2	WEIGHT KG/KM	O/D MM
2 x 0.5	42	5.4
3 x 0.5	51	5.8
4 x 0.5	61	6.5
7 x 0.5	98	7.8
12 x 0.5	156	10.1
18 x 0.5	215	11.8
25 x 0.5	314	14.4

0.75 mm² LiYCY control cable

CORES & MM2	WEIGHT KG/KM	O/D MM
2 x 0.75	56	6.7
3 x 0.75	70	7.1
4 x 0.75	95	7.6
5 x 0.75	130	8.2
7 x 0.75	168	8.9

12 x 0.75	232	12.0
18 x 0.75	315	13.9
25 x 0.75	418	16.5
30 x 0.75	500	18.0

1 mm² LiYCY control cable

CORES & MM ²	WEIGHT KG/KM	O/D MM
2 x 1	84	7.7
3 x 1	110	8.5
4 x 1	130	9.2
5 x 1	156	9.9
7 x 1	192	10.7
12 x 1	265	13.7
18 x 1	380	15.9
25 x 1	475	17.5
34 x 1	629	21.5

1.5 mm² LiYCY control cable

CORES & MM ²	WEIGHT KG/KM	O/D MM
2 x 1.5	97	8.1
3 x 1.5	125	8.9
4 x 1.5	165	9.7
5 x 1.5	193	10.5
7 x 1.5	245	11.3
12 x 1.5	365	14.5
18 x 1.5	553	16.9
25 x 1.5	720	20.1
30 x 1.5	776	20.7
42 x 1.5	1140	25.5

2.5 mm² LiYCY control cable

CORES & MM ²	WEIGHT KG/KM	O/D MM
2 x 2.5	148	10.1
3 x 2.5	188	10.6
4 x 2.5	236	11.6
5 x 2.5	270	12.6
7 x 2.5	340	13.7
12 x 2.5	585	18.5
18 x 2.5	725	19.7

4 mm² LiYCY control cable

CORES & MM ²	WEIGHT KG/KM	O/D MM
3 x 4	250	12.4
4 x 4	302	13.5
5 x 4	370	14.8
7 x 4	473	16.1

6 mm² LiYCY control cable

CORES & MM ²	WEIGHT KG/KM	O/D MM
3 x 6	285	13.9
4 x 6	412	15.2
5 x 6	505	16.7

10 mm² LiYCY control cable

CORES & MM ²	WEIGHT KG/KM	O/D MM
4 x 10	620	20.8
5 x 10	796	22.9

16 mm² LiYCY control cable

CORES & MM ²	WEIGHT KG/KM	O/D MM
4 x 16	1090	23.2
5 x 16	2070	25.6

25 mm² LiYCY control cable

CORES & MM2	WEIGHT KG/KM	O/D MM
4 x 25	1787	28.2
5 x 25	2047	31.1

35 mm² LiYCY control cable

CORES & MM2	WEIGHT KG/KM	O/D MM
4 x 35	2142	31.5