



### CONSTRUCTION

<b>Conductor</b>	Plaim Annealed Copper Wire Class 5 IEC 228 - BS 6360
<b>Insulation</b>	Polyvinyl Chloride Lead Free (PVC 80°C RoHS)
<b>Core Identification</b>	Colours as per DIN 47100
<b>Filler</b>	PP Yarn or PVC Filler (Optional)
<b>Wrapping</b>	Covered as helically by polyester tape
<b>Screen</b>	Braided tin copper wire, approx. 80% coverage
<b>Outer Sheath</b>	Polyvinyl chloride lead free (PVC 80°C UV Resistant), Grey
<b>Flame Retardant</b>	IEC 60332-1
<b>Flame Propagation</b>	IEC 60332-3 cat.C

### APPLICATION

For signaling, power station, air condioning systems, refrigeration plants, conveyors belts, machine industries & production line. Copper screening ensures protection from interference and disturbance free transmission of signal and impulse.  
Cable is resistant to UV and can be used outdoors under sunlight.

### TECHNICAL DATA



Nominal Voltage:  
300/500V



Spark Test:  
5000V



Insulation Resistance:  
At 20°C 20 MOhm/km



Min. Bending Radius:  
5 x O.D (Fixed) | 10 x O.D (Mobile)



Test Voltage:  
4000V 5 min



Temperature Rating:  
80°C



UV Resistant



flame retardant



flexible cable



electromagnetic  
protection



oil resistant



chemical  
resistance

Item No.	Cross-section mm <sup>2</sup>	Cu content kg/km	Outer diameter approx.mm	Weight approx. kg/km
1	2x0.50	23.0	5.6	36
2	3x0.50	35.0	5.9	45
3	4x0.50	45.0	6.3	54
4	5x0.50	57.0	7.0	67
5	6x0.50	68.0	7.6	81
6	7x0.50	80.0	7.6	84
7	8x0.50	85.0	8.7	111
8	10x0.50	100.0	9.3	134
9	12x0.50	112.0	9.6	156
10	16x0.50	140.0	10.9	195
11	18x0.50	152.0	11.4	215
12	20x0.50	165.0	12.4	234
13	21x0.50	171.0	12.7	251
14	24x0.50	190.0	13.4	298
15	25x0.50	198.0	13.7	302
16	32x0.50	236.0	15.1	373
17	40x0.50	290.0	16.3	440
18	50x0.50	340.0	18.4	552
19	2x0.75	35.0	6.0	56
20	3x0.75	46.0	6.3	70
21	4x0.75	56.0	7.6	95
22	5x0.75	70.0	7.6	130
23	6x0.75	85.0	8.2	155
24	7x0.75	98.0	8.2	168
25	8x0.75	110.0	9.4	173
26	10x0.75	131.0	10.5	195
27	12x0.75	148.0	10.8	232
28	16x0.75	183.0	12.1	296
29	18x0.75	205.0	13.0	315
30	20x0.75	220.0	13.3	364
31	24x0.75	250.0	15.0	418
32	25x0.75	271.0	15.1	430
33	32x0.75	330.0	16.4	520
34	40x0.75	395.0	17.8	672
35	50x0.75	480.0	20.9	807
36	2x1.0	55.0	6.3	84
37	3x1.0	70.0	6.8	110
38	4x1.0	80.0	7.3	130
39	5x1.0	95.0	8.0	156
40	6x1.0	105.0	8.6	178
41	7x1.0	120.0	8.6	192
42	8x1.0	130.0	9.4	223
43	10x1.0	165.0	11.1	251
44	12x1.0	185.0	11.4	265



# SCREENED FLEXIBLE CONTROL CABLE 300/500V

LiYCY-O

Flame Retardant, UV-Resistant, Lead-Cadmium Free  
EMC, ROHS Comply

Item No.	Cross-section mm <sup>2</sup>	Cu content kg/km	Outer diameter approx.mm	Weight approx. kg/km
45	16x1.0	220.0	13.4	361
46	18x1.0	245.0	14.0	380
47	20x1.0	270.0	14.8	388
48	25x1.0	330.0	16.4	475
49	30x1.0	395.0	16.9	554
50	34x1.0	440.0	17.7	629
51	42x1.0	533.0	21.0	769
52	50x1.0	625.0	23.0	995
53	2x1.5	65.0	7.5	97
54	3x1.5	90.0	7.9	125
55	4x1.5	110.0	8.5	165
56	5x1.5	125.0	9.3	193
57	6x1.5	144.0	10.5	219
58	7x1.5	159.0	10.5	245
59	8x1.5	175.0	11.3	270
60	10x1.5	210.0	13.3	338
61	12x1.5	245.0	13.7	365
62	16x1.5	315.0	15.5	465
63	18x1.5	345.0	16.3	553
64	20x1.5	375.0	17.1	635
65	25x1.5	465.0	19.9	720
66	30x1.5	555.0	20.5	776
67	34x1.5	612.0	21.5	896
68	42x1.5	782.0	24.0	1140
69	50x1.5	885.0	25.8	1330
70	2x2.5	98.0	9.0	148
71	3x2.5	124.0	9.5	188
72	4x2.5	150.0	10.9	236
73	5x2.5	180.0	11.9	270
74	6x2.5	210.0	13.2	305
75	7x2.5	235.0	13.2	340
76	8x2.5	262.0	14.7	382
77	10x2.5	335.0	16.8	512
78	12x2.5	386.0	17.8	585
79	2x4.0	135.0	12.4	194
80	3x4.0	178.0	12.7	250
81	4x4.0	220.0	14.0	302
82	5x4.0	270.0	15.3	370
83	6x4.0	315.0	16.8	424
84	7x4.0	355.0	16.8	473
85	2x6.0	175.0	13.0	251
86	3x6.0	240.0	14.0	285
87	4x6.0	305.0	14.8	412



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Item No.	Cross-section mm <sup>2</sup>	Cu content kg/km	Outer diameter approx.mm	Weight approx. kg/km
88	5x6.0	370.0	17.7	505
89	6x6.0	440.0	18.8	597
90	7x6.0	505.0	18.8	671
91	3x10	370.0	16.5	485
92	4x10	485.0	18.1	620
93	5x10	595.0	20.0	796
94	4x16	789.0	19.8	984
95	4x25	1236.0	25.1	1481
96	4x35	1662.0	30.4	1961