

# LIY(St)Y / LIH(St)H

## PVC or LSZH control cable, overall shielded



### TECHNICAL FEATURES

Operating temperature	-30 °C ÷ +80 °C / mobile use -5°C ÷ + 70°C
Rated voltage	300/500V
Testing voltage	2,0 kV
Conductor material	Bare copper flexible
Conductor class	Class 5, DIN VDE 0295 resp. EN 60228
Core insulation	Thermoplastic material PVC or LSZH
Core identification	Acc. to DIN 47100
Overall Shield	Polyester tape, CuSn drain wire, Alum./Poly. tape
Outer sheath material	Grey Thermoplastic material based PVC or LSZH
Min. bending radius	DIN VDE 0298 part 3

### APPLICATION

Shielded flexible control and connecting cables for instrumentation and control; in industrial electronics, computers, security systems, information and transmission systems, office machines and for voice frequency transmission. The shield provides protection against external pulses.

### SPECIAL FEATURES

IEC 60332-1, EN50265-2-1, IEC 60332-3C, HD 405.3, IEC 710754-1, EN 50267-2-1, IEC 61034, EN 50268-2 LT >60%

### REMARKS

Conform to RoHS  
CE acc. To EC Low-Voltage Directive 73/23/EEC and 93/68/EEC

Section		Nom. O.D.	Copper weight	Approx. Cable weight	
mm <sup>2</sup>		mm	kg/km	kg/km	
2	x	0,50	4,8	13	30
3	x	0,50	5,1	17	37
4	x	0,50	5,5	24	50
5	x	0,50	6,0	28	55
6	x	0,50	6,7	32	65
7	x	0,50	6,7	37	75
8	x	0,50	7,4	42	85
10	x	0,50	8,5	51	100
12	x	0,50	9,3	60	125
14	x	0,50	9,9	69	145
16	x	0,50	10,8	78	165
20	x	0,50	11,9	96	220
25	x	0,50	13,3	120	255
2	x	0,75	5,4	20	45
3	x	0,75	5,8	26	55
4	x	0,75	6,3	33	65
5	x	0,75	6,9	41	80
6	x	0,75	7,4	48	85
7	x	0,75	7,4	55	100
8	x	0,75	8,3	63	115
10	x	0,75	9,3	74	140
12	x	0,75	9,8	89	160
14	x	0,75	10,4	103	190
16	x	0,75	11,6	118	210
20	x	0,75	12,3	145	275
25	x	0,75	14,0	180	320

Section		Nom. O.D.	Copper weight	Approx. Cable weight	
mm <sup>2</sup>		mm	kg/km	kg/km	
2	x	1,0	5,6	29	48
3	x	1,0	6,1	40	62
4	x	1,0	6,5	46	80
5	x	1,0	7,5	55	95
6	x	1,0	7,8	65	105
7	x	1,0	7,8	75	115
8	x	1,0	8,9	84	130
10	x	1,0	10,3	100	165
12	x	1,0	10,8	120	195
14	x	1,0	11,4	135	225
16	x	1,0	12,0	155	260
20	x	1,0	13,5	195	325
25	x	1,0	15,1	235	390
2	x	1,5	6,4	42	70
3	x	1,5	6,8	55	90
4	x	1,5	7,3	68	110
5	x	1,5	8,1	81	130
6	x	1,5	9,0	95	145
7	x	1,5	9,0	109	175
8	x	1,5	10,5	121	195
10	x	1,5	11,8	150	230
12	x	1,5	12,3	175	280
14	x	1,5	13,5	202	320
16	x	1,5	14,2	229	355
20	x	1,5	16,0	282	440
25	x	1,5	17,8	345	560