

## 5. INDUSTRIAL CABLES / 5.2 PVC (PE) / LsYY, LsQQ



Combinated flexible control cables for demand conditions



\* VUKI a.s. \* LsYY 4x1,5 \*1234 m

### Application:

LsYY cables are special, flexible controlling cables which are dedicated to demanding industrial environment. They are intended for dry or wet environs and also for normal mechanical strain. They are flexible up to -30°C temperature. They are dedicated into inner or outer environment by types, for pulling into cable ducts and setting into the ground. It is possible to place them under the wall plaster. Cables can be installed also on flammable material.

### Cable construction:

- **Cable cores:** stranded Cu conductors cl. 5, with nominal cross-section: 0,5; 0,75; 1,0 mm<sup>2</sup>
- **Insulation:** special PVC mixture, flexible when cold
- Conductors are coiled in layers.
- **Sheath:** special PVC mixture, flexible when cold, Q type with greater temperature resistance

### Technical data:

- **Max. operation voltage:** 300/500 V
- **Test voltage (conductor/conductor):** 2500 V
- **Operating temperature:** -40 °C to +80 °C
- **Min. temperature for laying:** -5 °C
- **Min. bending radius:** 12 x cable diameter

### Marking:

- Black conductors with numbering acc. to VDE 0293

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### Application tables:

Construction	Effective resistance of conductor	Cable diameter appr.	Construction	Effective resistance of conductor	Cable diameter appr.
Number of conductors x cross-section	$\Omega/\text{km}$	mm	Number of conductors x cross-section	$\Omega/\text{km}$	mm
2x0,5	39,00	4,8	2x1,5	13,30	6,3
3x0,5	39,00	5,1	3x1,5	13,30	6,7
4x0,5	39,00	5,7	4x1,5	13,30	7,2
5x0,5	39,00	6,2	5x1,5	13,30	8,1
7x0,5	36,00	6,7	7x1,5	13,30	8,9
10x0,5	39,00	8,6	8x1,5	13,30	10,6
12x0,5	39,00	8,9	9x1,5	13,30	11,4
14x0,5	39,00	9,5	10x1,5	13,30	11,6
18x0,5	39,00	10,5	11x1,5	13,30	11,6
2x0,75	26,00	5,4	12x1,5	13,30	12,0
3x0,75	26,00	5,7	14x1,5	13,30	12,7
4x0,75	26,00	6,2	16x1,5	13,30	13,4
5x0,75	26,00	6,7	18x1,5	13,30	14,4
7x0,75	26,00	7,3	2x2,5	7,98	7,5
9x0,75	26,00	9,4	3x2,5	7,98	8,1
10x0,75	26,00	9,6	4x2,5	7,98	8,9
12x0,75	26,00	9,9	5x2,5	7,98	10,0
15x0,75	26,00	10,9	7x2,5	7,98	11,1
16x0,75	26,00	11,1	12x2,5	7,98	14,8
18x0,75	26,00	11,7	14x2,5	7,98	15,8
2x1	19,5	5,7	18x2,5	7,98	17,8
3x1	19,5	6,0			
4x1	19,5	6,5			
5x1	19,5	7,1			
6x1	19,5	8,0			
7x1	19,5	8,0			
8x1	19,5	9,5			
9x1	19,5	10,0			
10x1	19,5	10,2			
12x1	19,5	10,5			
14x1	19,5	11,2			
16x1	19,5	11,8			
18x1	19,5	12,7			