



## VOKA-YSLCY-JZ/OZ

also available as JB/OB  
300/500V

### APPLICATION

Shielded control cable in dry, damp and wet rooms, with normal mechanical Stress. Outdoors not without UV protection. Suitable for free, not constantly recurring Movement without tensile load, as well as for fixed installation. Mostly resistant to acids, alkalis and certain oils. Approved for usage acc. to euroclass classification Eca.

**Usage:** In measuring, control and regulation technology, in tool and machine construction, conveyor systems, heating and clinching technology, office machinery and data processing equipment

### STANDARDS

Based on IEC 60227-5 and EN 50525-2-51

### CONSTRUCTION

**Conductor:** Fine-wired bare copper strand according to VDE 0295 class 5

**Core insulation:** special PVC compound

**Core identification:** black numbered or colored according to VDE 0293, gn/ye in outer layer

**Stranding:** cores twisted in lays

**Wrapping:** Foil winding over outer layer

**Screening:** braid, tinned copper

**Sheath material:** special PVC compound

**Sheath color:** silvergrey, ca. RAL 7001

### BEHAVIOR UNDER FIRE CONDITIONS

EN 60332-1-2, EN 50575, EN 13501-6 Klasse Eca

### CHEMICAL PROPERTIES

RoHS: according to EU Directive 2011/65/EU

REACH: according to EC Regulation No. 1907/2006

PWIS: all materials used during manufacturing must be free of paint wetting impairment substances

### ELECTRICAL CHARACTERISTICS

Spec. resistance min.	20 GΩxcm
Operating capacity	C/C ca. 150nF/km
	C/S ca. 270nF/km
Test voltage	C/C 4000V/AC
	C/S 2000V/AC
Nominal voltage U <sub>0</sub> /U	300/500V
Coupling resistance	max. 250Ω/km (at 30MHz)

### THERMAL & MECHANICAL PROPERTIES

Temperature range stationary	-40°C to 80°C
Temperature range during inst.	-5°C to 70°C
max. bending radius installed	5 x outer-Ø
max. bending radius moved	10 x outer-Ø

Version: 10/2020

We reserve changes which serve technical progress • Price upon quantity-specific request

Dimension	Diameter appr.mm	Cable weight appr.kg/km	Copper index kg/km	Article number
2x 0,5	5,4	45	29	11020200
3x 0,5	5,7	56	35	11020300
4x 0,5	6,3	72	46	11020400
5x 0,5	6,8	89	51	11020500
7x 0,5	7,6	125	68	11020700
10x 0,5	9,5	155	93	11021000
12x 0,5	9,8	200	101	11021200
18x 0,5	11,9	255	133	11021800
20x 0,5	12,4	285	165	11022000
25x 0,5	14,1	350	211	11022500
2x 0,75	6	56	38	11040200
3x 0,75	6,3	71	48	11040300
4x 0,75	6,8	95	58	11040400
5x 0,75	7,6	155	72	11040500
7x 0,75	8,2	168	90	11040700
10x 0,75	10,7	215	131	11041000
12x 0,75	11	232	148	11041200
15x 0,75	12,3	288	171	11041500
18x 0,75	12,9	315	205	11041800
20x 0,75	13,6	368	220	11042000
21x 0,75	13,6	382	233	11042100
25x 0,75	15,5	435	269	11042500
32x 0,75	17	496	333	11043200
34x 0,75	17,8	527	346	11043400
40x 0,75	18,3	615	395	11044000
2x1	6,3	84	46	11060200
3x1	6,6	110	57	11060300
4x1	7,2	130	72	11060400
5x1	8	156	84	11060500
7x1	8,6	192	109	11060700
10 x 1	11,3	240	151	11061000
12 x 1	11,8	285	171	11061200
15 x 1	13,2	335	212	11061500
18 x 1	13,8	395	253	11061800
20 x 1	14,4	525	305	11062000
25 x 1	16,8	656	354	11062500
30 x 1	17,6	670	397	11063000
32 x 1	18,2	710	421	11063200
34 x 1	19	755	454	11063400
50 x 1	22,4	995	662	11060500
2x 1,5	6,9	97	58	11080200
3x 1,5	7,5	125	77	11080300
4x 1,5	8,1	165	94	11080400
5x 1,5	9	193	114	11080500
7x 1,5	9,7	245	146	11080700
10x 1,5	12,7	310	201	11081000
12x 1,5	13,3	365	241	11081200
15x 1,5	14,8	465	296	11081500
18x 1,5	15,5	553	355	11081600
20x 1,5	16,4	595	401	11082000
25x 1,5	19,1	734	498	11082500
30x 1,5	19,7	855	572	11083000

Dimension	Diameter appr.mm	Cable weight appr.kg/km	Copper index kg/km	Article number
32x 1,5	20,6	910	604	11083200
34x 1,5	21,3	963	642	11083400
50x 1,5	25,3	1330	926	11085000
2x 2,5	8,3	164	92	11100200
3x 2,5	9	188	118	11100300
4x 2,5	9,7	236	147	11100400
5x 2,5	11	270	176	11100500
7x 2,5	12,1	340	253	11100700
18x2,5	19,1	720	560	11101800
2x4	10	194	135	11300200
3x4	10,8	250	178	11300300
4x4	11,9	302	220	11300400
5x4	13	370	270	11300500
6x4	14,3	424	315	11300600
7x4	14,3	473	355	11300700
3x6	12,4	300	220	11560300
4x6	13,7	400	284	11560400
5x6	15,1	500	370	11560500
7x6	16,8	650	490	11560700
3 x 10	15,6	480	371	11580300
4 x 10	17,6	750	472	11580400
5 x 10	19,4	850	581	11580500
7 x 10	21,3	1250	781	11580700

Version: 10/2020

We reserve changes which serve technical progress • Price upon quantity-specific request