

# JZ-600-Y-CY

0,6/1 kV, flexible, number coded, screened, meter marking, EMC-preferred type



HELUKABEL JZ-600 Y-CY 4G2,5 QMM / 11576 0,6/1 kV 001041222 CE

## Technical data

- Adapted to DIN VDE 0262 and DIN VDE 0285-525-2-51 / DIN EN 50525-2-51
- Temperature range**  
flexing -15°C to +80°C  
fixed installation -40°C to +80°C
- Nominal voltage**  
U<sub>0</sub>/U 0,6/1 kV
- Test voltage**  
4000 V
- Breakdown voltage**  
min. 8000 V
- Coupling resistance**  
max. 250 Ohm/km
- Minimum bending radius**  
flexing 10x cable Ø  
fixed installation 5x cable Ø

## Cable structure

- Bare copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation of Special PVC compound type T12 to DIN VDE 0207-363-3 / DIN EN 50363-3
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal lay length
- Inner sheath of PVC
- Tinned copper braided screen, approx. 85% coverage
- Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Sheath colour: black (RAL 9005)
- With meter marking

## Properties

- Extensively oil resistant, oil-/chemical resistance see "Technical Information"
- UV resistant
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

## Tests

- Flame retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

## Note

- G = with GN-YE conductor  
x = without GN-YE conductor (OZ)
- The conductor is metrically constructed (mm<sup>2</sup>). The AWG designation is approximate and purely informative.
- Unscreened analogue type:

**JZ-600**

## Application

Connecting and control cable in tool machinery, conveyor belts and production lines, for plant installations, air conditioning and in steel production plants and rolling mills. Suitable for installation for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms as well as outside (fixed installation). Is not suitable to be used as direct burial (suitable from an outer diameter of 20 mm for direct burial) or as underwater cable. The black, special PVC outer sheath is resistant to the ultra violet radiation. Mainly used in South-European, Eastern and Arabian countries. Interference-free transmission of signals and pulses is assured by the high degree of screening.

**EMC** = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

**CE** = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No.cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11464	2 x 0,5	8,4	41,0	115,0	20
11465	3 G 0,5	8,8	45,0	127,0	20
11466	4 G 0,5	9,3	54,0	149,0	20
11467	5 G 0,5	10,1	66,0	169,0	20
11469	7 G 0,5	10,9	79,0	230,0	20
11472	12 G 0,5	14,0	137,0	386,0	20
11475	18 G 0,5	16,3	156,0	428,0	20
11478	25 G 0,5	19,0	250,0	693,0	20
11489	2 x 0,75	8,9	46,0	128,0	19
11490	3 G 0,75	9,3	57,0	143,0	19
11491	4 G 0,75	10,1	63,0	164,0	19
11492	5 G 0,75	11,0	76,0	198,0	19
11494	7 G 0,75	11,9	100,0	232,0	19
11498	12 G 0,75	15,4	175,0	360,0	19
11501	18 G 0,75	18,0	240,0	562,0	19
11504	25 G 0,75	21,9	306,0	729,0	19

Part no.	No.cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11516	2 x 1	9,2	54,0	146,0	18
11517	3 G 1	9,8	64,0	165,0	18
11518	4 G 1	10,4	76,0	204,0	18
11519	5 G 1	11,6	89,0	224,0	18
11521	7 G 1	12,3	114,0	379,0	18
11525	12 G 1	16,2	186,0	430,0	18
11528	18 G 1	18,9	284,0	636,0	18
11532	25 G 1	22,8	387,0	837,0	18
11546	2 x 1,5	10,4	64,0	175,0	16
11547	3 G 1,5	11,3	82,0	213,0	16
11548	4 G 1,5	12,0	99,0	247,0	16
11549	5 G 1,5	13,1	123,0	300,0	16
11551	7 G 1,5	14,6	148,0	364,0	16
11556	12 G 1,5	18,7	274,0	668,0	16
11559	18 G 1,5	22,8	386,0	844,0	16
11563	25 G 1,5	26,2	531,0	1356,0	16

Continuation ►

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Part no.	No. cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11574	2 x 2,5	12,0	110,0	241,0	14
11575	3 G 2,5	12,6	148,0	266,0	14
11576	4 G 2,5	13,9	169,0	351,0	14
11577	5 G 2,5	15,4	220,0	434,0	14
11578	7 G 2,5	16,6	284,0	517,0	14
11580	12 G 2,5	22,8	470,0	862,0	14
11582	18 G 2,5	26,2	572,0	1236,0	14
11584	25 G 2,5	30,6	740,0	1659,0	14
11590	2 x 4	13,4	124,0	306,0	12
11591	3 G 4	14,7	178,0	444,0	12
11592	4 G 4	15,9	234,0	489,0	12
11593	5 G 4	17,6	284,0	623,0	12
11594	7 G 4	19,0	385,0	775,0	12
11596	12 G 4	25,5	581,0	1244,0	12
11597	2 x 6	15,2	176,0	433,0	10
11598	3 G 6	16,2	245,0	572,0	10
11599	4 G 6	17,8	316,0	673,0	10
11600	5 G 6	19,4	442,0	841,0	10
11601	7 G 6	22,2	530,0	1078,0	10
11602	2 x 10	18,6	260,0	640,0	8
11603	3 G 10	20,0	367,0	820,0	8
11604	4 G 10	22,7	549,0	979,0	8
11605	5 G 10	24,8	604,0	1207,0	8
11606	7 G 10	26,8	820,0	2210,0	8
11607	2 x 16	23,2	491,0	1150,0	6

Part no.	No. cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11608	3 G 16	24,5	653,0	1395,0	6
11609	4 G 16	26,5	807,0	1426,0	6
11610	5 G 16	29,3	940,0	2720,0	6
11611	7 G 16	32,0	1345,0	3213,0	6
11612	3 G 25	29,0	920,0	1810,0	4
11613	4 G 25	32,0	1169,0	2261,0	4
11614	5 G 25	35,3	1420,0	2773,0	4
11615	7 G 25	38,6	1921,0	4980,0	4
11616	3 G 35	31,9	1250,0	2400,0	2
11617	4 G 35	35,0	1680,0	2973,0	2
11618	5 G 35	38,6	2020,0	3548,0	2
11619	3 G 50	37,0	1887,0	3120,0	1
11620	4 G 50	40,8	2370,0	3873,0	1
11621	5 G 50	45,2	2880,0	4634,0	1
11622	3 G 70	41,5	2516,0	4220,0	2/0
11623	4 G 70	45,9	3257,0	5546,0	2/0
11624	5 G 70	50,8	4032,0	6410,0	2/0
11625	3 G 95	47,4	3086,0	5240,0	3/0
11626	4 G 95	52,3	4060,0	6538,0	3/0
11627	5 G 95	57,4	5244,0	7812,0	3/0
11628	3 G 120	52,2	4176,0	7210,0	4/0
11629	4 G 120	56,9	5231,0	7994,0	4/0
13137	4 G 150	63,3	7760,0	10305,0	300 kcmil
13147	4 G 185	69,4	8104,0	12154,0	350 kcmil

Dimensions and specifications may be changed without prior notice. (RA01)