JZ-600-Y-CY

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

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_0/U 0,6/1 kV
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Insulation resistance** min. 20 MOhm x km
- **Coupling resistance** max. 250 Ohm/km
- **Minimum bending radius** flexing 10x cable Ø fixed installation 5x cable Ø
- **Radiation resistance** up to 80x10^6 cJ/kg (up to 80 Mrad)

Cable structure

- Bare copper conductor, to DIN VDE 0295 cl.5, fine wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of Special PVC compound type TI2 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 Informations"
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers
- UV resistant

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2 (equivalent DIN VDE 0472 part 804 test method B)

Note

- G = with GN-YE conductor x = without GN-YE conductor (OZ)
- Further sizes are available on request.
- AWG sizes are approximate equivalent values. The actual cross section is in mm².
- Unscreened analogue type: **JZ-600**

Application

Wiring cable for measuring and controlling purposes 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 cores have been numbered in such a way that the numbers are easily identifiable, even if the cable has only been stripped back a few cm. The core numbers have been underlined to avoid confusion. The earth core is located in the outer layer. 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. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11464	2 x 0,5	8,5	41,0	115,0	20
11465	3 G 0,5	8,8	45,0	127,0	20
11466	4 G 0,5	9,4	54,0	149,0	20
11467	5 G 0,5	10,2	66,0	169,0	20
11469	7 G 0,5	10,8	79,0	230,0	20
11472	12 G 0,5	14,3	137,0	386,0	20
11475	18 G 0,5	16,4	156,0	428,0	20
11478	25 G 0,5	19,3	250,0	693,0	20
11489	2 x 0,75	8,8	46,0	128,0	19
11490	3 G 0,75	9,1	57,0	143,0	19
11491	4 G 0,75	9,9	63,0	164,0	19
11492	5 G 0,75	10,6	76,0	198,0	19
11494	7 G 0,75	11,5	100,0	232,0	19
11498	12 G 0,75	15,0	175,0	360,0	19
11501	18 G 0,75	17,2	240,0	562,0	19
11504	25 G 0,75	20,6	306,0	729,0	19

Part no.	No.cores x cross-sec. mm²	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	11,4	89,0	224,0	18
11521	7 G 1	12,3	114,0	379,0	18
11525	12 G 1	15,9	186,0	430,0	18
11528	18 G 1	18,2	284,0	636,0	18
11532	25 G 1	22,0	387,0	837,0	18
11546	2 x 1,5	10,4	64,0	175,0	16
11547	3 G 1,5	10,8	82,0	213,0	16
11548	4 G 1,5	11,5	99,0	247,0	16
11549	5 G 1,5	13,0	123,0	300,0	16
11551	7 G 1,5	14,2	148,0	364,0	16
11556	12 G 1,5	18,4	274,0	668,0	16
11559	18 G 1,5	21,3	386,0	844,0	16
11563	25 G 1,5	25,4	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	11,8	110,0	241,0	14
11575	3 G 2,5	12,8	148,0	266,0	14
11576	4 G 2,5	13,8	169,0	351,0	14
11577	5 G 2,5	15,0	220,0	434,0	14
11578	7 G 2,5	16,3	284,0	517,0	14
11580	12 G 2,5	21,6	470,0	862,0	14
11582	18 G 2,5	25,2	572,0	1236,0	14
11584	25 G 2,5	30,0	740,0	1659,0	14
11590	2 x 4	13,6	124,0	306,0	12
11591	3 G 4	14,6	178,0	444,0	12
11592	4 G 4	15,7	234,0	489,0	12
11593	5 G 4	17,2	284,0	623,0	12
11594	7 G 4	18,9	321,0	775,0	12
11596	12 G 4	24,5	581,0	1244,0	12
11597	2 x 6	14,9	176,0	433,0	10
11598	3 G 6	15,9	245,0	572,0	10
11599	4 G 6	17,4	316,0	673,0	10
11600	5 G 6	19,2	442,0	841,0	10
11601	7 G 6	20,9	530,0	1078,0	10
11602	2 x 10	18,6	260,0	640,0	8
11603	3 G 10	19,8	367,0	820,0	8
11604	4 G 10	21,5	549,0	979,0	8
11605	5 G 10	23,5	604,0	1207,0	8
11606	7 G 10	25,6	820,0	2210,0	8
11607	2 x 16	21,8	491,0	1150,0	6
11608	3 G 16	23,4	653,0	1395,0	6
11609	4 G 16	25,7	807,0	1426,0	6
11610	5 G 16	28,5	940,0	2720,0	6
11611	7 G 16	31,4	1345,0	3213,0	6
11612	3 G 25	28,2	920,0	1810,0	4
11613	4 G 25	31,3	1169,0	2261,0	4
11614	5 G 25	34,5	1420,0	2773,0	4
11615	7 G 25	37,8	1921,0	4980,0	4
11616	3 G 35	31,2	1250,0	2400,0	2
11617	4 G 35	34,5	1680,0	2973,0	2
11618	5 G 35	38,0	2020,0	3548,0	2
11619	3 G 50	36,5	1887,0	3120,0	1
11620	4 G 50	40,5	2370,0	3873,0	1
11621	5 G 50	45,2	2880,0	4634,0	1
11622	3 G 70	41,8	2516,0	4220,0	2/0
11623	4 G 70	46,0	3257,0	5546,0	2/0
11624	5 G 70	50,4	4032,0	6410,0	2/0
11625	3 G 95	46,8	3086,0	5240,0	3/0
11626	4 G 95	51,3	4060,0	6538,0	3/0
11627	5 G 95	56,1	5244,0	7812,0	3/0
11628	3 G 120	51,8	4176,0	7210,0	4/0
11629	4 G 120	56,3	5231,0	7994,0	4/0
13137	4 G 150	64,4	7760,0	10305,0	300 kcmil
13147	4 G 185	69,5	8104,0	12154,0	350 kcmil

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