

JZ-600-Y-CY flexible, number coded, 0,6/1kV, 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 \varnothing
fixed installation 5x cable \varnothing
- Radiation resistance**
up to 80×10^6 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 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 table Technical Informations
 - The materials used in manufacture are cadmium-free and contain no silicone and 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 (equivalent DIN VDE 0472 part 804 test method B)

Note

- G = with green-yellow conductor
x = without green-yellow conductor (OZ)
- Further sizes are available on request.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- unscreened analogue type:
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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- 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 = The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. cores x cross-sec. mm ²	Outer \varnothing approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
11464	2 x 0,5	8,5	41,0	129,0	20
11465	3 G 0,5	8,8	45,0	150,0	20
11466	4 G 0,5	9,4	54,0	170,0	20
11467	5 G 0,5	10,2	66,0	199,0	20
11469	7 G 0,5	10,8	79,0	235,0	20
11472	12 G 0,5	14,3	137,0	320,0	20
11475	18 G 0,5	16,4	156,0	428,0	20
11478	25 G 0,5	19,3	250,0	503,0	20
11489	2 x 0,75	8,8	46,0	143,0	19
11490	3 G 0,75	9,1	57,0	155,0	19
11491	4 G 0,75	9,9	63,0	190,0	19
11492	5 G 0,75	10,6	76,0	228,0	19
11494	7 G 0,75	11,5	100,0	323,0	19
11498	12 G 0,75	15,0	175,0	410,0	19
11501	18 G 0,75	17,2	240,0	560,0	19
11504	25 G 0,75	20,6	306,0	730,0	19

Part no.	No. cores x cross-sec. mm ²	Outer \varnothing approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
11516	2 x 1	9,2	54,0	150,0	18
11517	3 G 1	9,8	64,0	163,0	18
11518	4 G 1	10,4	76,0	200,0	18
11519	5 G 1	11,4	89,0	239,0	18
11521	7 G 1	12,3	114,0	289,0	18
11525	12 G 1	15,9	186,0	464,0	18
11528	18 G 1	18,2	284,0	628,0	18
11532	25 G 1	22,0	387,0	855,0	18
11546	2 x 1,5	10,4	64,0	162,0	16
11547	3 G 1,5	10,8	82,0	187,0	16
11548	4 G 1,5	11,5	99,0	240,0	16
11549	5 G 1,5	13,0	123,0	289,0	16
11551	7 G 1,5	14,2	148,0	383,0	16
11556	12 G 1,5	18,4	274,0	592,0	16
11559	18 G 1,5	21,3	386,0	806,0	16
11563	25 G 1,5	25,4	531,0	1241,0	16

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