

FLEX-JZ POWER

Flexible control Cables 0.6/1KV



Technical Data:

- **Conductor material** Copper bare
- **Conductor Class** Class 5
- **Core Insulation** Special PVC
- **Core identification** DIN VDE 0293: black cores, white numerals
- **Stranding** Cores twisted in layers
- **Outer sheath** Special PVC
- **Sheath colour** Black RAL 9005
- **Rated voltage [V]** 600/1000
- **Testing voltage [V]** 4000
- **Conductor resistance** <math><13.7 \text{ M}\Omega \times \text{km}</math>
- **Insulation resistance** >math>20\text{M}\Omega \times \text{km}</math>
- **Current carrying capacity** DIN VDE (see technical guidelines)
- **Min. bending radius fixed [xd]** 4xd
- **Min. bending radius moved [xd]** 15xd
- **Working temp fixed min/max [C]** -40°C up to +80°C
- **Working temp moved min/max [C]** -15°C up to +70°C
- **Temp at conductor max.** +70°C in operation, +160°C in case of short-circuit
- **Burning behaviour** VDE 0482-332-1-2/ IEC 60332-1: flame-retardant and self extinguishing

Approvals Oil resistant: EN 60811-2-1

Construction:

- fine strands of bare copper conductor
- stranding acc. to VDE 0295, class 5
- black cores with white numbers
- JZ = earth conductor green/yellow in outer layer
- OZ= without earth conductor
- outer sheath of special PVC, fire and oil resistant, resistant of UV - radiation
- sheath colour: black RAL 9005

Application:

Flex-JZ POWER can be installed in all electrical systems in dry and damp interiors, especially in industrial environments, and can also be used outside; underwater installation is not permitted. Not suitable for constant moving. It is suitable as measuring, monitoring and control cable in the machine tool and plant engineering, in heat and air conditioning systems and refrigeration plants, etc.

Special features:

Flex-JZ POWER black is to a large extent resistant against oil and chemicals, rough but extremely flexible. All cables with three cores or more are included the green/yellow conductor arranged in the outer layer. Numbering distance approx. 20 - 50 mm. To avoid mistakes all numbers have a basic line.

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100	Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
101020050	2 x 0.50	6.30	0.90	5.50	101250150	25 G 1.50	22.80	36.30	77.10
101030050	3 G 0.50	6.70	1.50	7.60	101340150	34 G 1.50	26.60	49.00	99.60
101040050	4 G 0.50	7.30	1.90	10.00	101500150	50 G 1.50	30.40	72.00	142.70
101050050	5 G 0.50	8.00	2.50	11.60	101020250	2 x 2.50 OZ	9.80	4.80	14.20
101070050	7 G 0.50	9.00	3.40	13.60	101030250	3 G 2.50	10.40	7.20	17.60
101120050	12 G 0.50	11.60	5.90	20.00	101040250	4 G 2.50	11.50	9.60	22.40
101180050	18 G 0.50	14.00	8.90	28.30	101050250	5 G 2.50	12.80	12.00	25.30
101250050	25 G 0.50	16.60	12.00	38.90	101070250	7 G 2.50	15.20	16.90	33.70
101020075	2 x 0.75 OZ	6.80	1.40	6.30	101120250	12 G 2.50	18.20	28.90	55.10
101030075	3 G 0.75	7.50	2.20	9.10	101180250	18 G 2.50	21.70	43.50	79.00
101040075	4 G 0.75	7.90	2.90	12.00	101250250	25 G 2.50	26.00	60.00	110.10
101050075	5 G 0.75	8.70	3.60	13.40	101030400	3 G 4	12.6	11.52	22.50
101070075	7 G 0.75	9.80	5.10	17.70	101040400	4 G 4	14.00	15.40	31.40
101120075	12 G 0.75	12.70	8.70	24.80	101050400	5 G 4	15.30	19.10	40.30
101180075	18 G 0.75	14.90	13.20	35.00	101070400	7 G 4	16.70	27.00	52.40
101250075	25 G 0.75	17.70	18.00	47.70	101030600	3 G 6	14.20	17.30	36.50
101340075	34 G 0.75	21.50	24.50	62.60	101040600	4 G 6	15.70	23.30	42.80
101410075	41 G 0.75	23.10	29.60	73.30	101050600	5 G 6	17.90	28.90	60.20
101500075	50 G 0.75	25.30	36.00	87.10	101070600	7 G 6	19.70	40.40	80.20
101020100	2 x 1.0Z	7.40	1.90	7.30	101041000	4 G 10	18.50	38.20	75.90
101030100	3 G 1	7.60	2.90	9.80	101051000	5 G 10	20.50	48.50	92.70
101040100	4 G 1	8.20	3.90	11.00	101071000	7 G 10	23.00	67.50	129.30
101050100	5 G 1	9.60	4.80	13.80	101041600	4 G 16	21.90	61.40	110.10
101070100	7 G 1	10.60	6.70	17.90	101051600	5 G 16	25.60	77.80	161.70
101120100	12 G 1	13.70	11.50	28.10	101071600	7 G 16	27.10	107.90	187.30
101180100	18 G 1	16.00	17.40	40.80	101042500	4 G 25	27.20	96.80	162.40
101250100	25 G 1	19.40	24.10	56.70	101052500	5 G 25	29.50	120.30	207.40
101340100	34 G 1	23.50	32.60	76.40	101072500	7 G 25	33.00	168.00	294.60
101410100	41 G 1	25.60	39.40	89.10	101043500	4 G 35	29.80	134.10	240.30
101500100	50 G 1	26.80	48.00	107.60	101053500	5 G 35	33.50	168.20	289.70
101020150	2 x 1.50 OZ	8.50	2.90	9.90	101045000	4 G 50	37.10	193.10	340.20
101030150	3 G 1.50	9.20	4.30	12.20	101047000	4 G 70	41.90	270.30	435.40
101040150	4 G 1.50	9.90	5.80	15.00	101049500	4 G 95	48.40	364.10	601.20
101050150	5 G 1.50	11.10	7.20	17.60	101041200	4 G 120	53.80	460.40	750.30
101070150	7 G 1.50	12.00	10.30	22.00					
101120150	12 G 1.50	15.80	17.50	41.10					
101180150	18 G 1.50	19.00	25.80	54.70					