

1 FLEX-CY-JZ POWER

Screened Control 0.6/1 KV Black



Technical Data:

- **Conductor material** Copper bare
- **Conductor Class** Class 5 acc. to DIN VDE 0295 resp. IEC 60228
- **Core Insulation** Special PVC
- **Core identification** DIN VDE 0293: black cores, white numbers
- **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

- **Insulation resistance** >20M Ω x km
- **Current carrying capacity** DIN VDE (s. technical guidance)
- **Min. bending radius fixed [xd]** 5xd
- **Min. bending radius moved [xd]** 15xd
- **Working temp fixed min/max [C]** -40°C up to +80°C
- **Temp at conductor max.** +70°C in operation, +160° (in case of short-circuit)
- **Burning behaviour** 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 VDE0295, class 5
- cores of special PVC
- black cores with white numbers
- JZ = earth conductor green/yellow in outer layer
- OZ = without earth conductor
- inner sheath of special PVC, black
- copper screen of tinned copper wire braid
- outer sheath of special PVC, fire- and oil resistant, resistant of UV - radiation
- sheath colour: black RAL 9005

Application:

Flex-CY-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. Flex-CY-JZ POWER is suitable as measuring, monitoring and control cable in the machine tool and plant engineering, assembly lines and production lines. These cables with copper screening are ideally suitable for interference-free data and signal transmission in measuring and control technology. Good chemical resistance, largely oil resistant.

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
102020050	2 x 0.50 OZ	8.1	3.8	12	102120150	12 G 1.50	18.9	28.1	69
102030050	3 G 0.50	8.4	4.5	16.6	102180150	18 G 1.50	22.1	39.1	87.2
102040050	4 G 0.50	9.4	5.4	19	102250150	25 G 1.50	25.1	51.8	118
102050050	5 G 0.50	10	6.2	21.9	102020250	2 x 2.50	11.3	11.3	19.2
102070050	7 G 0.50	12.3	7.7	25.5	102030250	3 G 2.50	12.7	12.3	31.2
102120050	12 G 0.50	14.9	13	35.9	102040250	4 G 2.50	14.3	16.8	36.2
102180050	18 G 0.50	17	17.3	47.5	102050250	5 G 2.50	15.3	20.4	46.9
102250050	25 G 0.50	19.9	22.3	63.8	102070250	7 G 2.50	17.2	26.5	58
102020075	2 x 0.75 OZ	9	4.6	14.2	102120250	12 G 2.50	21.7	42.1	86.3
102030075	3 G 0.75	9.2	5.6	15.5	102180250	18 G 2.50	25.5	59.4	135.5
102040075	4 G 0.75	10.2	6.7	21.4	102250250	25 G 2.50	29.3	85.1	199.5
102050075	5 G 0.75	11.4	7.8	25	102040400	4 G 4	16.2	23.8	54
102070075	7 G 0.75	12.9	9.7	31.5	102050400	5 G 4	17.5	30.2	67.3
102120075	12 G 0.75	15.8	16.8	42.4	102070400	7 G 4	19	39.6	87.4
102180075	18 G 0.75	18	22.9	57.4	102040600	4 G 6	17.7	31.8	71.5
102250075	25 G 0.75	21.4	29.6	76.2	102050600	5 G 6	19.2	41.9	98.4
102020100	2 x 1 OZ	9.4	5.2	15.7	102070600	7 G 6	21.7	55.9	128.5
102030100	3 G 1	10	6.6	19.6	102041000	4 G 10	21.7	57.4	126.7
102040100	4 G 1	10.8	7.9	23.1	102051000	5 G 10	23.5	70.6	163.5
102050100	5 G 1	12.6	9.3	27	102041600	4 G 16	24.9	80.9	176.3
102070100	7 G 1	13.6	11.7	33.5	102051600	5 G 16	27.4	104.7	272
102120100	12 G 1	16.4	20.4	52.2	102042500	4 G 25	29.8	116.5	275
102180100	18 G 1	19.2	28	63.5	102052500	5 G 25	32.6	144.6	349
102250100	25 G 1	22.4	36.9	86.7	102043500	4 G 35	32.7	168.8	349.7
102020150	2 x 1.50 OZ	10.1	6.9	19.2	102045000	4 G 50	39.6	236.8	493.7
102030150	3 G 1.50	11.3	8.7	21.8	102047000	4 G 70	44.2	326.1	748
102040150	4 G 1.50	13	10.2	26.5	102049500	4 G 95	51	405.5	1022
102050150	5 G 1.50	13.9	12.5	30	1020412000	4 G 120	58.1	522.5	1375
102070150	7 G 1.50	15	18	39.7					