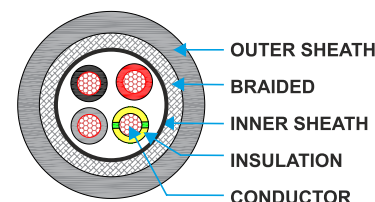




# Control Cables - JZ-500 CY

PVC Copper Screen Braided with Number Coding



## Application

JZ 500 CY control cable is significant due to its resistance against microbes. This cable is specially installed in rubbish, sewage-treatment plants, composting works, animal stalls and greenhouses. The inner sheaths of those cables raise the mechanical stress. 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. The high flexibility of this cable type makes it quick and easy to install. Resistant to UV-radiation, oxygen, ozone, microbes, hydro fluoric acid, hydrochloric acid and diluted sulfuric acid. This screened cable is ideal for use in data signal transmission free from interferences for measurement and control engineering technology. Note : To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.

## Properties

- Screened, microbes resistant, halogen free
- Insulation resistance min. 20 MOhm x km
- Minimum bending radius flexing 7,5 x cable dia
- Coupling resistance max. 250 Ohm/km
- Radiation resistance up to 100x106 cJ/kg

## Construction

- Tinned copper, fine wire conductors, stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special thermoplastic polymer core insulation Black cores with continuous white numbering according to DIN VDE 0293 Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimally - length
- Inner-sheath to special thermoplastic polymer
- Screen of tinned cu braid, cover age approx. 85%
- Outer sheath, special thermoplastic polymer
- Colour black (RAL 9005)

## Technical Parameter

- Temperature range : Flexing -30°C to + 90°C fixed installation -40°C to +100°C
- Nominal voltage : U0/U 300/500 V, Test voltage 3000V
- Special control cable in adapted to DIN VDE 0281 part 13 and E DIN VDE 0245



## Cable Design Parameters

Part No.	No. Core X Cross-Sec. (mm <sup>2</sup> )	Outer Dia Approx (mm)	Weight Approx (kg/km)
0805B020005	2*0.5	6.9	68
0805B030005X	3G*0.5	7.2	84
0805B040005X	4G*0.5	7.8	95
0805B050005X	5G*0.5	7.3	107
0805B070005X	7G*0.5	9.5	135
0805B120005X	12G*0.5	11.3	195
0805B180005X	18G*0.5	13.1	278
0805B200005X	20G*0.5	13.8	310
0805B250005X	25G*0.5	15.7	406
0805B300005X	30G*0.5	16	520
0805B340005X	34G*0.5	17.4	571
0805B420005X	42G*0.5	18.9	651
0805B500005X	50G*0.5	20.9	760
0805B610005X	61G*0.5	22.9	911
0805B020007	2*0.75	7.6	88
0805B030007X	3G*0.75	7.8	98
0805B040007X	4G*0.75	8.3	112
0805B050007X	5G*0.75	9.1	130
0805B070007X	7G*0.75	10.4	185
0805B120007X	12G*0.75	12.5	294
0805B180007X	18G*0.75	14.3	357
0805B200007X	20G*0.75	15.2	404
0805B250007X	25G*0.75	17.6	510
0805B300007X	30G*0.75	18.1	561
0805B340007X	34G*0.75	19.5	670
0805B420007X	42G*0.75	20.9	960
0805B500007X	50G*0.75	23.2	1104
0805B610007X	61G*0.75	25	1270
0805B020010	2*1	7.9	98
0805B030010X	3G*1	8.2	102
0805B040010X	4G*1	8.9	145
0805B050010X	5G*1	9.5	171
0805B070010X	7G*1	11	210
0805B120010X	12G*1	13.1	330
0805B180010X	18G*1	15.4	488

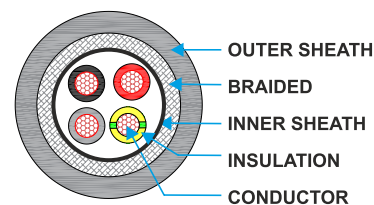
X=Green/Yellow

0804 - Control Cables



## Control Cables - JZ-500 CY

PVC Copper Screen Braided with Number Coding



0804 - Control Cables

### Cable Design Parameters

Part No.	No. Core X Cross-Sec. (mm <sup>2</sup> )	Outer Dia Approx (mm)	Weight Approx (kg/km)
0805B200010X	20G*1	16	545
0805B250010X	25G*1	18.3	690
0805B300010X	30G*1	18.8	770
0805B340010X	34G*1	20.3	811
0805B420010X	42G*1	21.8	996
0805B500010X	50G*1	24	1320
0805B610010X	61G*1	26	1480
0805B020015	2*1.5	8.4	130
0805B030015X	3G*1.5	9	154
0805B040015X	4G*1.5	9.6	165
0805B050015X	5G*1.5	10.5	197
0805B070015X	7G*1.5	12.1	305
0805B120015X	12G*1.5	14.9	435
0805B180015X	18G*1.5	17.1	642

X=Green/Yellow

