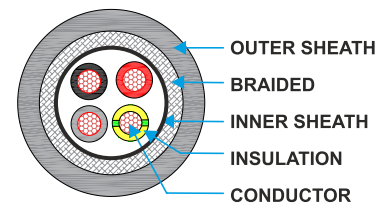




# Control Cables - JZ-500 SY

PVC Steel Wire Braided with Number Coding



## Application

- SY-JZ cables are used as measuring and control cables in tool machinery, plant installation, power stations and in data equipment.
- The braided screen offers best possible protection against mechanical damage. The galvanized coating on the steel wire braiding not only helps protect against corrosion, but also notably improves the soldering performance.
- The product conforms to the EC Low-Voltage Directive 2006/95/EC.

## Properties

- Extensively oil resistant,
- Oil & chemical resistance
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Construction

- 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 Z 7225
- 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 special PVC
- Galvanized steel wire braid
- Outer sheath of special PVC
- Sheath colour Grey (RAL 7001) with meter marking

## Technical Parameter

- Special-PVC control cable adapted to 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 : U0/U 300/500 V, Test voltage 4000 V
- Breakdown voltage : min. 8000 V
- Insulation resistance : min. 20 MOhm x km
- Minimum bending radius : Flexing 20 x cable Ø, fixed installation 6 x cable Ø
- Radiation resistance : up to 80x106 cJ/kg



## Cable Design Parameters

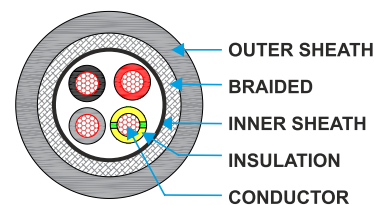
Part No.	No. Core X Cross-Sec. (mm <sup>2</sup> )	Outer Dia Approx (mm)	Weight Approx (kg/km)
0803B020005	2 X 0.5	7.2	80.0
0803B030005X	3 X 0.5	7.5	92.0
0803B040005X	4X 0.5	8.1	102.0
0803B050005X	5 X 0.5	8.6	119.0
0803B070005X	7 X 0.5	9.3	157.0
0803B100005X	10 X 0.5	10.7	205.0
0803B120005X	12 X 0.5	11.7	218.0
0803B140005X	14 X 0.5	12.3	242.0
0803B180005X	18X0.5	13.4	340.0
0803B210005X	21 X 0.5	14.2	370.0
0803B250005X	25 X 0.5	15.7	406.0
0803B300005X	30 X 0.5	16.2	439.0
0803B350005X	35 X 0.5	17.5	500.0
0803B400005X	40 X 0.5	18.2	565.0
0803B420005X	42 X 0.5	19.0	593.0
0803B500005X	50 X 0.5	20.7	690.0
0803B610005X	61 X 0.5	22.0	843.0
0803B800005X	80X 0.5	25.0	1050.0
0803B1000005X	100X0.5	27.4	1240.0
0803B020007	2 X 0.75	7.9	98.0
0803B030007X	3 X 0.75	8.2	103
0803B040007X	4 X 0.75	8.7	122.0
0803B050007X	5 X 0.75	9.5	142.0
0803B060007X	6 X 0.75	10.1	180.0
0803B070007X	7 X 0.75	10.1	185.0
0803B080007X	8X 0.75	10.8	201.0
0803B090007X	9X0.75	11.8	249.0
0803B100007X	10X0.75	12.0	252.0
0803B120007X	12 X 0.75	12.8	292.0
0803B150007X	15 X 0.75	14.2	335.0
0803B180007X	18 X 0.75	15	388
0803B210007X	21X0.75	15.5	474
0803B250007X	25 X 0.75	17.5	503
0803B320007X	32 X 0.75	18.9	644

0803 - Control Cables



## Control Cables - JZ-500 SY

PVC Steel Wire Braided with Number Coding



0803 - Control Cables

### Cable Design Parameters

Part No.	No. Core X Cross-Sec. (mm <sup>2</sup> )	Outer Dia Approx (mm)	Weight Approx (kg/km)
0803B340007X	34 X 0.75	19.9	663
0803B410007X	41X0.75	21.2	741
0803B500007X	50X 0.75	23.2	925
0803B610007X	61 X0.75	25.2	1082
0803B020010	2 X1	8.2	112
0803B030010X	3X1	8.5	132
0803B040010X	4X1	9.2	143
0803B050010X	5X1	9.9	166
0803B060010X	6X1	10.5	22
0803B070010X	7X1	10.5	227
0803B080010X	8X1	11.4	277
0803B090010X	9X1	12.8	295
0803B120010X	12 X 1	13.4	340
0803B140010X	14 X 1	14.2	420
0803B180010X	18 X 1	15.7	500
0803B200010X	20X 1	16.4	532
0803B250010X	25 X 1	18.4	664
0803B340010X	34X 1	20.8	845
0803B360010X	36X 1	20.9	857
0803B410010X	41 X 1	22.2	993
0803B500010X	50X 1	24.4	1112
0803B560010X	56X 1	25.5	1225
0803B610010X	61 X 1	26. 1	1306
0803B650010X	65 X 1	26.9	1504
0803B800010X	80X 1	30	1750
0803B1000010X	100X 1	33.1	1950

