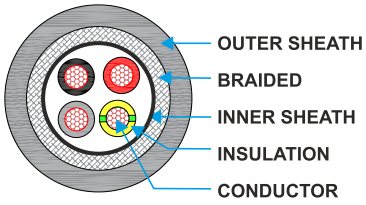
Control Cables - JB-500 SY

PVC Steel Screen Braided with Colour Coding



Application

- SY-JB 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.

Construction

- Bare copper-conductor
- 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 JB/OB colour code as per colour chart
- Cores stranded in layers with Test voltage 4000 V optimal lay-length
- Inner sheath of special PVC
- Galvanized steel wire screening
- Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Sheath colour Grey (RAL 7001)

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

ERTL RoHS CE

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 : Up to 2,5 mm² U0/U 300/500 V from 4.00 mm² U0/U 450/750 V
- Test voltage : 4000 V
- Breakdown voltage : Min. 8000 V
- Insulation resistance : Min. 20 MOhm x km
- Mutual capacitance: core/core approx. 150 nF/km core/screen approx. 270 nF/km
- Minimum bending radius : Flexing 10x cable Ø fixed installation 5x cable Ø
- Radiation resistance : Up to 80x106 cJ/kg.

Cable Design Parameters

Part No.	No. Core X Cross-Sec. (mm^2)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0802B020005	2 x0.5	7.2	9.6
0802B030005X	3 G 0.5	7.5	14.4
0802B040005X	4G0.5	8. 1	19.2
0802B050005X	5 G 0.5	8.6	24
0802B070005X	7 G 0.5	9.3	33.6
0802B100005X	10 G 0.5	10.7	48
0802B120005X	12 G 0.5	11. 7	58
0802B020007	2 x0.75	7.9	14.4
0802B030007X	3 G 0.75	8.2	21.6
0802B040007X	4 G 0.75	8.7	28.8
0802B050007X	5 G 0.75	9.5	36
0802B060007X	6 G 0.75	10.1	43.2
0802B070007X	7 G 0.75	10.1	50
0802B090007X	9 G 0.75	11 .8	65.0
0802B100007X	10 G 0.75	12.0	72.0
0802B120007X	12 G 0.75	12.8	86
0802B020010	2 x 1	8.2	19.2
0802B030010X	3G1	8.5	28.8
0802B040010X	4G1	9.2	38.4
0802B050010X	5 G 1	9.9	48
0802B060010X	6 G 1	10.5	58.0
0802B070010X	7G1	10.5	67.0
0802B080010X	8G1	11.4	77
0802B090010X	9 G 1	12.8	86
0802B120010X	12 G 1	13.4	11 5.0
0802B020015	2 x 1 .5	8.8	29
0802B030015X	3 G 1.5	9.4	43
0802B040015X	4 G 1.5	10.0	58
0802B050015X	5 G 1.5	10.9	72.0
0802B060015X	6 G 1.5	11 .8	87.0
0802B070015X	7 G 1.5	11.8	101.0
0802B080015X	8G 1.5	12.7	115.0
0802B090015X	9 G 1 .5	1 3.9	130
0802B100015X	10 G 1.5	14.3	144
0802B110015X	11 G 1.5	14.8	158,0
0802B120015X	12 G 1.5	15.0	173.0

X=Green/Yellow