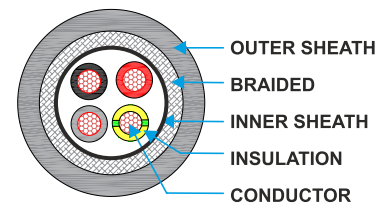




Control Cables - JB-500 CY

PVC Copper Screen Braided with Colour Coding



Application

For use as a data and control cable in machinery, computer systems etc. as well as a signal cable for electronics. The high level of screening ensures a high degree of interference protection. The screening density assures disturbance-free transmission of all signals and impulses. These cables are suitable for flexible use for medium mechanical stresses with free movements. To optimize the EMC features, we recommend a large round contact of the copper braiding on both ends. 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
- Flame retardant acc. to DIN BD 0482-332-1-2 / IEC 60332-1-2

Construction

- Bare copper fine wire conductors. Bunch stranded to DIN VDE 0295 cl.5, BS 6360 cl.5 and IEC 60228 cl.5
- Core insulation of special PVC compound type Z 7255
- Core identification to JB/OB colour code as per chart
- Cores stranded in layers with optimal lay-length
- Inner sheath of PVC
- Tinned copper braided screen. approx. 85% coverage
- Outer sheath of special PVC
- Sheath colour : Grey (RAL 7001)

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 1.5 mm² U0/U 300/500 V from 2.5 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)
0801B020005	2 X 0.5	7.0	67.0
0801B030005X	3 G 0.5	7.3	83.0
0801B040005X	4 G 0.5	7.9	94.0
0801B050005X	5 G 0.5	8.4	108.0
0801B020007	2 X 0.75	7.7	87.0
0801B030007X	3 G 0.75	8.0	98.0
0801B040007X	4 G 0.75	8.5	113.0
0801B050007X	5 G 0.75	9.3	130.0
0801B020010	2 X 1	8.0	97.0
0801B030010X	3 G 1	8.3	103.0
0801B040010X	4 G 1	9.0	146.0
0801B050010X	5 G 1	9.7	169.0
0801B020015	2 X 1.5	8.6	130.0
0801B030015X	3 G 1.5	9.2	152.0
0801B040015X	4 G 1.5	9.8	168.0
0801B050015X	5 G 1.5	10.8	202.0
0801B020025	2 X 2.5	11.1	180.0
0801B030025X	3 G 2.5	11.6	216.0
0801B040025X	4 G 2.5	12.7	267.0
0801B050025X	5 G 2.5	14.1	347.0
0801B020040	2 X 4	13.3	302.0
0801B030040X	3 G 4	14.0	340.0
0801B040040X	4 G 4	15.3	410.0
0801B050040X	5 G 4	16.7	502.0
0801B020060	2 X 6	14.7	350.0
0801B030060X	3 G 6	15.6	450.0
0801B040060X	4 G 6	17.0	559.0
0801B050060X	5 G 6	18.6	702.0
0801B020100	2 X 10	18.0	500.0
0801B030100X	3 G 10	19.0	750.0
0801B040100X	4 G 10	21.1	1020.0
0801B050100X	5 G 10	23.1	1115.0

X=Green/Yellow

0801 - Control Cables