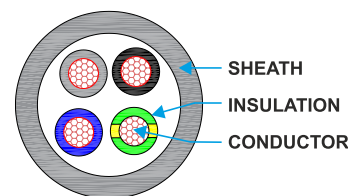




Control Cables - JB-500

Unshielded Colour Coded



0811 - Control Cables

Application

These cables are for flexible use in medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms, as measuring and control cables in machine tools, conveyor belts, production lines, as well as in machinery production, in air-conditioning and steel production plants. The green-yellow ground is located immediately below the outer jacket. JB cables are suitable for use in all electrical equipment either in wet or dry areas. They are not suitable for outdoor installations.

CE The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Properties

- Extensively oil and chemical resistant
- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Construction

- Bare copper, fine wire conductors to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Conductor insulation of special PVC Z 7225
- Core identification to JB/OB colour code as per chart
- Conductors stranded in layers with optimal lay-length
- Special PVC outer jacket TM2, to DIN VDE 0281 part 1
- Color : Gray (RAL 7001)

Technical Parameter

- Special PVC control cables
- Requirements adapted to DIN VDE 0245, 0281, 0293, 0295
- Temperature range : Flexing -5°C to +80°C
fixed installation -40°C to +80°C
- Nominal voltage : U0/U 300/500 V
- Breakdown voltage : Min. 8000 V
- Insulation resistance : Min. 20 M ohm x km
- Minimum bending radius : Flexing 7.5 x cable dia,
fixed installation 4 x cable dia
- Radiation resistance : Up to 80 x 10⁶ cJ/kg



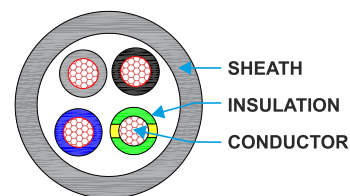
Cable Design Parameters

Part No.	Core x Area	Outer Diameter	Copper Weight	Weight Cable
	sq.mm	mm	kg/km	kg/km
0812B020005	JB-500 2x0.5	4.9	9.6	40
0812B030005X	JB-500 3G0.5	5.2	14.4	46
0812B030005	JB-500 3x0.5	5.2	14.4	46
0812B040005X	JB-500 4G0.5	5.6	19.2	56
0812B040005	JB-500 4x0.5	5.6	19.2	56
0812B050005X	JB-500 5G0.5	6.3	24.0	65
0812B050005	JB-500 5x0.5	6.3	24.0	65
0812B050005X	JB-500 6G0.5	6.9	29.0	75
0812B070005X	JB-500 7G0.5	6.9	34.0	80
0812B070005	JB-500 7x0.5	6.9	34.0	84
0812B080005X	JB-500 8G0.5	8.1	38.0	97
0812B100005X	JB-500 10G0.5	9.0	48.0	116
0812B120005X	JB-500 12G0.5	9.2	58.0	135
0812B140005X	JB-500 14G0.5	9.7	67.0	150
0812B160005X	JB-500 16G0.5	10.4	77.0	172
0812B300005X	JB-500 30G0.5	13.8	144.0	310
0812B020007	JB-500 2x0.75	5.3	14.4	46
0812B030007X	JB-500 3G0.75	5.6	21.6	54
0812B030007X	JB-500 3x0.75	5.6	21.6	54
0812B040007X	JB-500 4G0.75	6.3	28.8	66
0812B040007	JB-500 4x0.75	6.3	28.8	66
0812B050007X	JB-500 5G0.75	6.9	36.0	80
0812B050007	JB-500 5x0.75	6.9	36.0	80
0812B060007X	JB-500 6G0.75	7.7	43.2	99
0812B070007X	JB-500 7G0.75	7.7	50.0	110
0812B070007	JB-500 7x0.75	7.7	50.0	110
0812B080007X	JB-500 8G0.75	9.0	58.0	130
0812B090007X	JB-500 9G0.75	9.8	65.0	153
0812B100007X	JB-500 10G0.75	9.8	72.0	162
0812B120007X	JB-500 12G0.75	10.0	86.0	179
0812B150007X	JB-500 15G0.75	11.2	108.0	218



Control Cables - JB-500

Unshielded Colour Coded



Cable Design Parameters

Part No.	Core x Area	Outer Diameter	Copper Weight	Weight Cable
	sq.mm	mm	kg/km	kg/km
0812B180007X	JB-500 18G0.75	12.2	130.0	257
0812B210007X	JB-500 21G0.75	13.5	151.0	320
0812B250007X	JB-500 25G0.75	14.5	180.0	365
0812B020010	JB-500 2x1	5.6	19.2	60
0812B030010X	JB-500 3G1	6.1	29.0	72
0812B030010	JB-500 3x1	6.1	29.0	72
0812B040010X	JB-500 4G1	6.6	38.4	86
0812B040010	JB-500 4x1	6.6	38.4	86
0812B050010X	JB-500 5G1	7.5	48.0	104
0812B050010	JB-500 5x1	7.5	48.0	104
0812B060010X	JB-500 6G1	8.1	58.0	125
0812B060010	JB-500 6x1	8.1	58.0	125
0812B070010X	JB-500 7G1	8.1	67.0	141
0812B070010	JB-500 7x1	8.1	67.0	141
0812B080010X	JB-500 8G1	9.6	77.0	175
0812B090010X	JB-500 9G1	10.6	87.0	200
0812B100010X	JB-500 10G1	10.6	96.0	207
0812B120010X	JB-500 12G1	10.8	115.0	230
0812B140010X	JB-500 14G1	11.4	134.0	271
0812B160010X	JB-500 16G1	12.3	154.0	300
0812B180010X	JB-500 18G1	12.9	173.0	343
0812B200010X	JB-500 20G1	13.7	192.0	375
0812B240010X	JB-500 24G1	14.7	230.0	468
0812B250010X	JB-500 25G1	15.6	240.0	485
0812B020015	JB-500 2x1.5	6.4	29.0	70
0812B030015X	JB-500 3G1.5	6.8	43.0	90
0812B030015	JB-500 3x1.5	6.8	43.0	90
0812B040015X	JB-500 4G1.5	7.6	58.0	109
0812B040015	JB-500 4x1.5	7.6	58.0	109
0812B050015X	JB-500 5G1.5	8.3	72.0	131
0812B050015	JB-500 5x1.5	8.3	72.0	131
0812B060015X	JB-500 6G1.5	9.2	86.4	157
0812B070015X	JB-500 7G1.5	9.2	101.0	184
0812B070015	JB-500 7x1.5	9.2	101.0	184
0812B080015X	JB-500 8G1.5	10.6	115.0	216
0812B110015X	JB-500 11G1.5	12.2	158.0	300
0812B120015X	JB-500 12G1.5	12.2	173.0	309
0812B140015X	JB-500 14G1.5	13.0	202.0	345
0812B160015X	JB-500 16G1.5	13.9	230.0	386
0812B180015X	JB-500 18G1.5	14.8	259.0	440
0812B200015X	JB-500 20G1.5	15.5	288.0	490
0812B250015X	JB-500 25G1.5	17.8	360.0	620
0812B020025	JB-750 2x2.5	7.8	48.0	112
0812B030025X	JB-500 3G2.5	8.3	72.0	148
0812B030025	JB-500 3x2.5	8.3	72.0	148
0812B040025X	JB-500 4G2.5	9.2	96.0	178
0812B040025	JB-500 4x2.5	9.2	96.0	178
0812B050025X	JB-500 5G2.5	10.1	120.0	221
0812B050025	JB-500 5x2.5	10.1	120.0	221
0812B060025X	JB-500 6G2.5	11.2	144.0	293
0812B070025X	JB-500 7G2.5	11.2	168.0	306

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