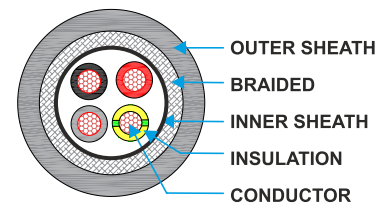




Control Cables - JB-500 CY

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.

0801 - Control Cables



Cable Design Parameters

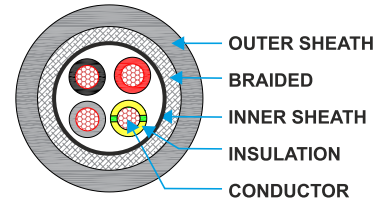
Part No.	No. Core X Cross-Sec. (mm ²)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0801B020005	2 X 0.5	7.0	67.0
0801B030005X	3 G 0.5	7.3	83.0
0801B040005X	4 G 0.5	7.9	94.0
0801B050005X	5 G 0.5	8.4	108.0
0801B020007	2 X 0.75	7.7	87.0
0801B030007X	3 G 0.75	8.0	98.0
0801B040007X	4 G 0.75	8.5	113.0
0801B050007X	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



Control Cables - JB-500 SY

PVC Steel Screen Braided with Colour Coding



0802 - Control Cables

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.

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
- 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)

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

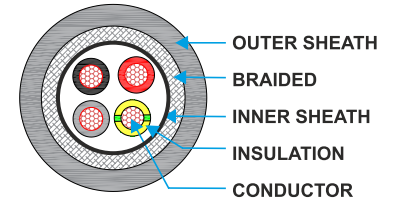
Part No.	No. Core X Cross-Sec. (mm ²)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0802B020005	2 x0.5	7.2	9.6
0802B030005X	3 G 0.5	7.5	14.4
0802B040005X	4G0.5	8. 1	19.2
0802B050005X	5 G 0.5	8.6	24
0802B070005X	7 G 0.5	9.3	33.6
0802B100005X	10 G 0.5	10.7	48
0802B120005X	12 G 0.5	11. 7	58
0802B020007	2 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



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 0293black 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

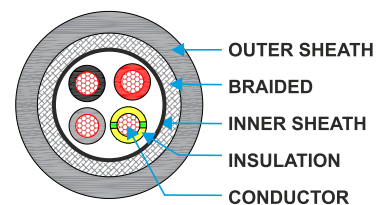
Part No.	No. Core X Cross-Sec. (mm ²)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0803B020005	2 X 0.5	7.2	80.0
0803B030005X	3 X 0.5	7.5	92.0
0803B040005X	4X 0.5	8.1	102.0
0803B050005X	5 X 0.5	8.6	119.0
0803B070005X	7 X 0.5	9.3	157.0
0803B100005X	10 X 0.5	10.7	205.0
0803B120005X	12 X 0.5	11.7	218.0
0803B140005X	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 XO.75	8.2	103
0803B040007X	4 X 0.75	8.7	122.0
0803B050007X	5 XO.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

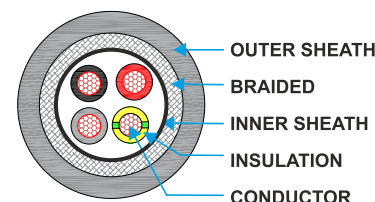
Part No.	No. Core X Cross-Sec. (mm ²)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0803B340007X	34 X 0.75	19.9	663
0803B410007X	41X0.75	21.2	741
0803B500007X	50X 0.75	23.2	925
0803B610007X	61 X0.75	25.2	1082
0803B020010	2 X1	8.2	112
0803B030010X	3X1	8.5	132
0803B040010X	4X1	9.2	143
0803B050010X	5X1	9.9	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





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 ²)	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

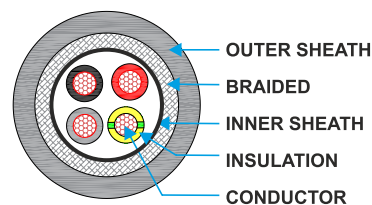
X=Green/Yellow

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 ²)	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

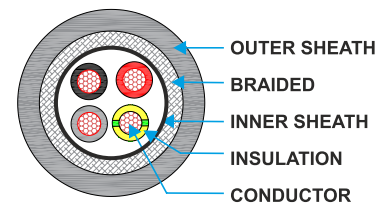
X=Green/Yellow





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 clear transparent outer sheath gives the cable in addition an optical reevaluation.
- 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 transparent 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 6x cable Ø
- Radiation resistance : up to 80 x 106 cJ/kg



Cable Design Parameters

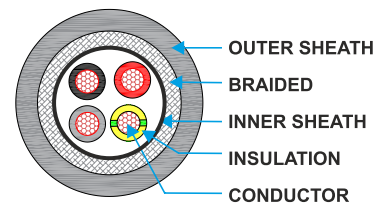
Part No.	No. Core X Cross-Sec. (mm ²)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0806B020005	2 x 0.5	7.2	80.0
0806B030005X	3 G 0.5	7.5	92.0
0806B040005X	4 G 0.5	8.1	102.0
0806B050005X	5 G 0.5	9.0	119.0
0806B070005X	7 G 0.5	9.3	157.0
0806B100005X	10 G 0.5	10.7	205.0
0806B120005X	12 G 0.5	11.7	218.0
0806B140005X	14 G 0.5	12.3	242.0
0806B180005X	18 G 0.5	13.4	340.0
0806B210005X	21 G 0.5	14.2	370.0
0806B250005X	25 G 0.5	15.7	406.0
0806B300005X	30 G 0.5	16.2	439.0
0806B350005X	35 G 0.5	17.5	500.0
0806B400005X	40 G 0.5	18.2	565.0
0806B420005X	42 G 0.5	19.0	593.0
0806B500005X	50 G 0.5	20.7	690.0
0806B610005X	61 G 0.5	22.0	843.0
0806B800005X	80 G 0.5	25.0	1050.0
0806B1000005X	100 G 0.5	27.4	1240.0
0806B020007	2 x 0.75	7.9	98.0
0806B030007X	3 G 0.75	8.2	103.0
0806B040007X	4 G 0.75	8.7	122.0
0806B050007X	5 G 0.75	9.5	142.0
0806B060007X	6 G 0.75	10.1	180.0
0806B070007X	7 G 0.75	10.1	185.0
0806B080007X	8 G 0.75	10.8	201.0
0806B090007X	9 G 0.75	11.8	249.0
0806B100007X	10 G 0.75	12.0	252.0
0806B120007X	12 G 0.75	12.8	292.0
0806B150007X	15 G 0.75	14.2	335.0
0806B180007X	18 G 0.75	15.0	388.0
0806B210007X	21 G 0.75	15.5	474.0

X=Green/Yellow



Control Cables - JZ-500 SY

PVC Steel Wire Braided with Number Coding



Cable Design Parameters

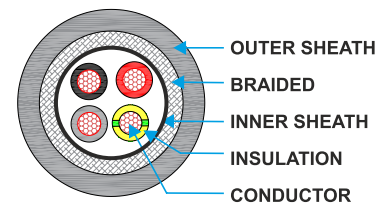
Part No.	No. Core X Cross-Sec. (mm ²)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0806B250007X	25 G 0.75	17.5	503.0
0806B320007X	32 G 0.75	18.9	644.0
0806B340007X	34 G 0.75	19.9	663.0
0806B410007X	41 G 0.75	21.2	741.0
0806B500007X	50 G 0.75	23.2	925.0
0806B610007X	61 G 0.75	25.2	1082.0
0806B020010	2 x 1	8.2	112.0
0806B030010X	3 G 1	8.5	132.0
0806B040010X	4 G 1	9.2	143.0
0806B050010X	5 G 1	9.9	166.0
0806B060010X	6 G 1	10.5	220.0
0806B070010X	7 G 1	10.5	227.0
0806B080010X	8 G 1	11.4	277.0
0806B090010X	9 G 1	12.8	295.0
0806B120010X	12 G 1	13.4	340.0
0806B140010X	14 G 1	14.2	420.0
0806B180010X	18 G 1	15.7	500.0
0806B200010X	20 G 1	16.4	532.0
0806B250010X	25 G 1	18.4	664.0
0806B340010X	34 G 1	20.8	845.0
0806B360010X	36 G 1	20.9	857.0
0806B410010X	41 G 1	22.2	993.0
0806B500010X	50 G 1	24.4	1112.0
0806B560010X	56 G 1	25.5	1225.0
0806B610010X	61 G 1	26.1	1306.0
0806B650010X	65 G 1	26.9	1504.0
0806B800010X	80 G 1	30.0	1750.0
0806B990010X	100 G 1	33.1	1950.0





Control Cables - JZ-500 CY

PUR Copper Screen Braided with Number Coding



Application

Extremely robust cable noted for its good abrasion resistance and notch resistance. Due to its resistance to coolant emulsions, this cable is well suited for use in mechanical engineering, tool making, and systems engineering, and in steel mills and rolling mills in particularly critical areas. Good flexibility means that installation is quick and easy. Suitable for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms, and in open air (fixed installation). The dense screening assures interference-free transmission of all signals and impulses. An ideal interference-free control cable for the above applications. 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

- Resistant to UV-radiation, oxygen, ozone, hydrolyse, temperature range and microbes
- Low adhesion, matt surface
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Construction

- Core insulation of special PVC compound type T12 to DIN VDE 0207-363-3 / DIN EN 50363-3 Bare copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5.
- 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, Separating foil.
- Tinned copper braided screen, approx. 85% coverage.
- Core wrapping of fleece guarantees easy cable stripping.
- Outer sheath from special full polyurethane compound type TMPU to DIN EN 50363-10-2.
- Sheath colour grey (RAL 7001) also available in other colours on request.

Technical Parameter

- Special-PUR control cable adapted to DIN VDE 0285-525-1 / DIN EN 50525-1
- Temperature range : Flexing -10°C to +80°C fixed installation -40°C to +80°C
- Nominal voltage : U0/U 300/500 V
- Test voltage 3000 V
- Breakdown voltage min. 6000 V
- Coupling resistance max. 250 Ohm/km
- Minimum bending radius : flexing 10 x cable Ø, fixed installation 5 x cable Ø
- Radiation resistance : up to 100 x 106 cJ/kg



Cable Design Parameters

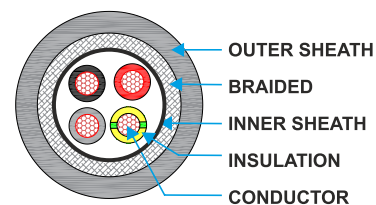
Part No.	No. Core X Cross-Sec. (mm ²)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0807B020005	2 x 0,5	5,7	47,0
0807B030005X	3 G 0,5	5,9	57,0
0807B030005	3 x 0,5	5,9	57,0
0807B040005X	4 G 0,5	6,4	60,0
0807B040005	4 x 0,5	6,4	60,0
0807B050005X	5 G 0,5	6,9	75,0
0807B050005	5 x 0,5	6,9	75,0
0807B070005X	7 G 0,5	7,6	97,0
0807B070005	7 x 0,5	7,6	97,0
0807B100005X	10 G 0,5	9,6	133,0
0807B120005X	12 G 0,5	9,7	158,0
0807B180005X	18 G 0,5	11,5	218,0
0807B250005X	25 G 0,5	13,7	315,0
0807B340005X	34 G 0,5	15,5	420,0
0807B420005X	42 G 0,5	16,9	487,0
0807B020007	2 x 0,75	6,1	60,0
0807B030007X	3 G 0,75	6,3	67,0
0807B030007	3 x 0,75	6,3	67,0
0807B040007X	4 G 0,75	6,8	76,0
0807B040007	4 x 0,75	6,8	76,0
0807B050007	5 x 0,75	7,4	92,0
0807B050007X	5 G 0,75	7,4	92,0
0807B070007	7 x 0,75	8,2	131,0
0807B070007	7 G 0,75	8,2	131,0
0807B100007X	10 G 0,75	10,3	180,0
0807B120007X	12 G 0,75	10,5	204,0
0807B180007X	18 G 0,75	12,7	290,0
0807B250007X	25 G 0,75	15,0	413,0
0807B340007X	34 G 0,75	17,2	492,0
0807B420007X	42 G 0,75	18,8	624,0

0806 - Control Cables



Control Cables - JZ-500 CY

PUR Copper Screen Braided with Number Coding



0806 - Control Cables

Cable Design Parameters

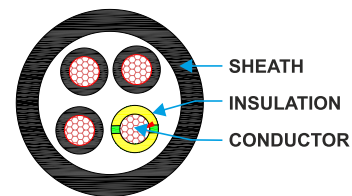
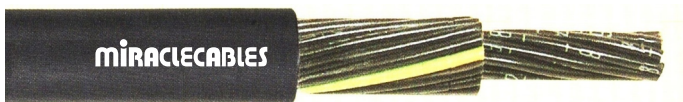
Part No.	No. Core X Cross-Sec. (mm ²)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0807B020010	2 x 1	6,4	66,0
0807B030010X	3 G 1	6,7	82,0
0807B030010	3 x 1	6,7	82,0
0807B040010X	4 G 1	7,2	100,0
0807B040010	4 x 1	7,2	100,0
0807B050010X	5 G 1	8,0	128,0
0807B050010	5 x 1	8,0	128,0
0807B070010X	7 G 1	8,7	157,0
0807B070010	7 x 1	8,7	157,0
0807B100010X	10 G 1	11,2	230,0
0807B120010X	12 G 1	11,4	262,0
0807B180010X	18 G 1	13,6	381,0
0807B250010X	25 G 1	16,2	535,0
0807B340010X	34 G 1	18,5	740,0
0807B420010X	42 G 1	20,2	867,0
0807B500010X	50 G 1	22,0	1027,0
0807B020015	2 x 1,5	7,0	87,0
0807B030015X	3 G 1,5	7,4	102,0
0807B030015	3 x 1,5	7,4	102,0
0807B040015X	4 G 1,5	8,1	127,0
0807B040015	4 x 1,5	8,1	127,0
0807B050015X	5 G 1,5	9,0	159,0
0807B050015	5 x 1,5	9,0	159,0
0807B070015X	7 G 1,5	9,8	207,0
0807B120015X	12G1,5	12,8	340,0
0807B180015X	18G1,5	15,6	480,0
0807B250015X	25G1,5	18,4	704,0
0807B300015X	30G1,5	19,6	817,0
0807B020025	2x2,5	8,4	131,0
0807B030025X	3G2,5	8,8	168,0
0807B040025X	4 G 2,5	9,8	194,0
0807B050025X	5 G 2,5	10,8	222,0
0807B070025X	7 G 2,5	11,9	345,0
0807B120025X	12 G 2,5	15,8	570,0
0807B040040X	4 G 4	11,6	310,0
0807B050040X	5 G 4	12,9	386,0
0807B070040X	7 G 4	14,2	498,0
0807B040060X	4 G 6	13,8	414,0
0807B050060X	5 G 6	15,4	510,0
0807B070060X	7 G 6	17,0	673,0
0807B070100X	4 G 10	17,2	591,0
0807B070100X	5 G 10	19,1	768,0
0807B070100X	7 G 10	21,2	976,0
0807B040160X	4 G 16	20,3	1196,0

X=Green/Yellow



Control Cables - JZ-500

PUR Unshielded Number Coded



Application

JZ-500 PUR is an extremely robust control cable with high abrasion and tear resistant properties. Due to its high resistance coolant emulsions, it is especially suited for use in the machine, tool making and plant industries as well as in the steel industry for difficult and problem areas. The high flexibility of this cable type makes it quick and easy to install. Suitable for outdoor lying.
Product conforms to the low-voltage directive 2014/35/EU.

Properties

- Resistant to UV-radiation, oxygen, ozone and hydrolysis, microbes.
- Low adhesion, matt surface
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Construction

- Bare copper conductor, fine wire acc. To DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation of special PVC compound type TI2 to DIN VDE 0207 - 363-3/ DIN EN 50363-3
- Core identification to DIN VDE 0293black cores with continuous white numbering GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal lay length
- Outer sheath of special full-polyurethanecompound type TMPU to DIN EN 50363-10-2
- Sheath colour: Black (RAL 9001), also available in other colours on request.

Technical Parameter

- Special polyurethane control cable in reference to DIN VDE 0285-525-1 /DIN EN 50525-1
- 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
- Minimum bending radius : Flexing 7.5 x outer Ø, fixed installation 4 x outer Ø



Cable Design Parameters

Part No.	No. Core X Cross-Sec. (mm ²)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0808B020005	2x0.5	4.8	45.0
0808B030005X	3G0.5	5.1	55.0
0808B030005	3x0.5	5.1	55.0
0808B040005X	4G0.5	5.5	65.0
0808B040005	4x0.5	5.5	65.0
0808B050005X	5G0.5	6.2	75.0
0808B050005	5x0.5	6.2	75.0
0808B070005X	7G0.5	6.7	90.0
0808B070005	7x0.5	6.7	90.0
0808B100005X	10G0.5	8.6	120.0
0808B120005X	12G0.5	8.9	135.0
0808B180005X	18G0.5	10.7	205.0
0808B250005X	25G0.5	12.4	270.0
0808B340005X	34G0.5	14.3	380.0
0808B420005X	42G0.5	15.8	415.0
0808B020007	2x0.75	5.3	44.0
0808B030007X	3G0.75	5.6	53.0
0808B030007	3x0.75	5.6	53.0
0808B040007X	4G0.75	6.3	64.0
0808B040007	4x0.75	6.3	64.0
0808B050007X	5G0.75	6.9	76.0
0808B050007	5x0.75	6.9	76.0
0808B070007X	7G0.75	7.5	96.0
0808B070007	7x0.75	7.5	96.0
0808B100007X	10G0.75	9.6	140.0
0808B120007X	12G0.75	9.9	170.0
0808B180007X	18G0.75	12.2	260.0
0808B250007X	25G0.75	14.1	282.0
0808B340007X	34G0.75	16.5	475.0
0808B420007X	42G0.75	18.1	600.0
0808B020010	2x1	5.6	53.0

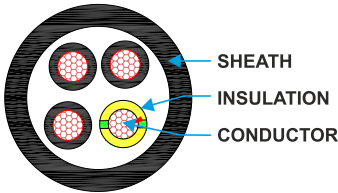
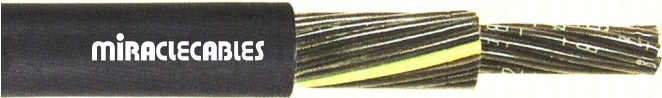
X=Green/Yellow

0807 - Control Cables



Control Cables - JZ-500

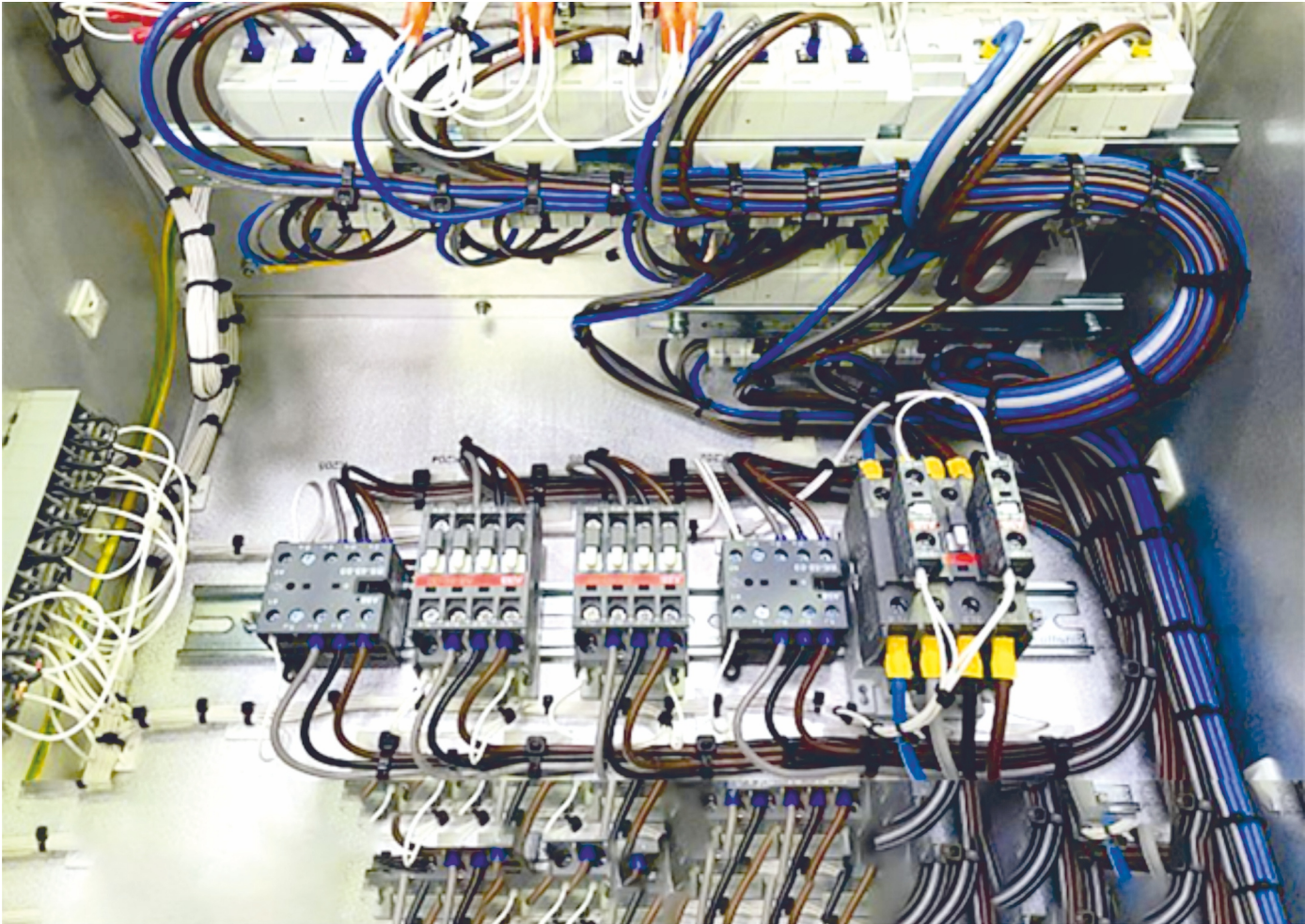
PUR Unshielded Number Coded

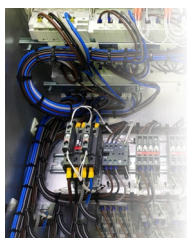


0807 - Control Cables

Cable Design Parameters

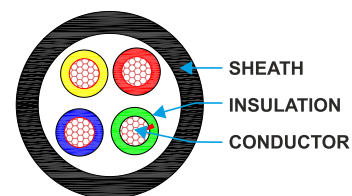
Part No.	No. Core X Cross-Sec. (mm ²)	Outer Dia Approx (mm)	Weight Approx (kg/km)
0808B030010X	3G1	5.9	63.0
0808B030010	3x1	5.9	63.0
0808B040010X	4G1	6.7	75.0
0808B040010	4x1	6.7	75.0
0808B050010X	5G1	7.3	89.0
0808B050010	5x1	7.3	89.0
0808B070010X	7G1	8.1	115.0
0808B070010	7x1	8.1	115.0
0808B100010X	10G1	10.2	166.0
0808B120010X	12G1	10.6	201.0
0808B180010X	18G1	12.9	289.0
0808B250010X	25G1	15.1	380.0
0808B340010X	34G1	17.7	645.0





Control Cables

Multi Core-PVC Flexible As per IS 694



Application

These cables are designed for residential and commercial infrastructure. They serve as the connecting medium in power and control panels, cabinets & switch gears. They can also be used for the purposes such as stationary and static appliances, motors and for other single phase connections.

Construction

- Bare copper, fine wire conductors to IEC 60228 cl. 5, IS : 8130
- Conductor insulation of PVC IS : 5831
- Conductors core color coded as per IS 694.

Properties

- PVC self-extinguishing and flame retardant
- RoHS, CE Marking

Technical Parameter

- Voltage rating : 650V / 1100V
- Temp rating : -15°C to +85°C
- Short circuit : 160°C
- Bending radius : 4 to 6 x diameter of cable
- Standard cable colour : Black or as per customer requirement



0808 - Control Cables

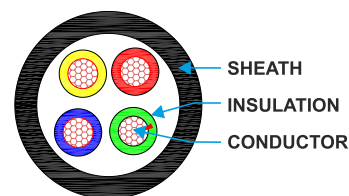
Cable Design Parameters

Part Code	No. of Cores	Nominal Cross Sectional Area	Nominal Insulation Thickness	Max. D.C. Conductor resistance at 20°C	Nominal Sheath Thickness	Maximum Overall Diameter
		sq. mm	mm	ohm/km	mm	mm
0809B010005	1	0.5	0.60	39.0	0.9	4.3
0809B020005	2	0.5	0.60	39.0	0.9	6.9
0809B030005	3	0.5	0.60	39.0	0.9	7.3
0809B040005	4	0.5	0.60	39.0	0.9	8.0
0809B050005	5	0.5	0.60	39.0	0.9	8.7
0809B010007	1	0.75	0.60	26.0	0.9	4.5
0809B020007	2	0.75	0.60	26.0	0.9	7.3
0809B030007	3	0.75	0.60	26.0	0.9	7.7
0809B040007	4	0.75	0.60	26.0	0.9	8.4
0809B050007	5	0.75	0.60	26.0	0.9	9.2
0809B010010	1	1	0.60	19.5	0.9	4.7
0809B020010	2	1	0.60	19.5	0.9	7.6
0809B030010	3	1	0.60	19.5	0.9	8.1
0809B040010	4	1	0.60	19.5	0.9	8.8
0809B050010	5	1	0.60	19.5	1.0	9.6
0809B010015	1	1.5	0.60	13.3	0.9	5.4
0809B020015	2	1.5	0.60	13.3	0.9	8.9
0809B030015	3	1.5	0.60	13.3	0.9	9.4
0809B040015	4	1.5	0.60	13.3	1.0	10.4
0809B050015	5	1.5	0.60	13.3	1.0	11.4
0809B010025	1	2.5	0.70	7.98	1.0	6.2
0809B020025	2	2.5	0.70	7.98	1.0	10.3
0809B030025	3	2.5	0.70	7.98	1.0	10.9
0809B040025	4	2.5	0.70	7.98	1.0	12.0
0809B050025	5	2.5	0.70	7.98	1.0	13.2
0809B010040	1	4	0.80	4.95	1.0	6.8
0809B020040	2	4	0.80	4.95	1.0	11.6
0809B030040	3	4	0.80	4.95	1.0	12.4
0809B040040	4	4	0.80	4.95	1.0	13.6
0809B050040	5	4	0.80	4.95	1.1	15.3
0809B010060	1	6	0.80	3.30	1.1	7.5
0809B020060	2	6	0.80	3.30	1.1	13.0
0809B030060	3	6	0.80	3.30	1.2	13.8
0809B040060	4	6	0.80	3.30	1.2	15.5
0809B010100	1	10	1.00	1.91	1.3	9.4
0809B020100	2	10	1.00	1.91	1.3	16.5
0809B030100	3	10	1.00	1.91	1.4	17.7
0809B040100	4	10	1.00	1.91	1.4	19.5



Control Cables

Multi Core-PVC Flexible As per IS 694



0808 - Control Cables

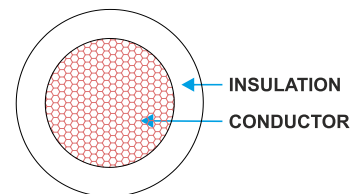
Cable Design Parameters

Part Code	No. of Cores	Nominal Cross Sectional Area	Nominal Insulation Thickness	Max. D.C. Conductor resistance at 20°C	Nominal Sheath Thickness	Maximum Overall Diameter
		sq. mm	mm	ohm/km	mm	mm
0809B010160	1	16	1.00	1.21	1.4	10.9
0809B020160	2	16	1.00	1.21	1.4	19.4
0809B030160	3	16	1.00	1.21	1.4	20.6
0809B040160	4	16	1.00	1.21	1.4	23.0
0809B010250	1	25	1.20	0.780	1.4	13.6
0809B020250	2	25	1.20	0.780	1.4	23.8
0809B030250	3	25	1.20	0.780	1.5	25.6
0809B040250	4	25	1.20	0.780	1.6	28.5
0809B010350	1	35	1.20	0.554	1.6	15.5
0809B020350	2	35	1.20	0.554	1.6	27.2
0809B030350	3	35	1.20	0.554	1.6	29.3
0809B040350	4	35	1.20	0.554	1.7	32.7
0809B010500	1	50	1.40	0.386	2.0	18.1
0809B020500	2	50	1.40	0.386	2.0	32.0
0809B030500	3	50	1.40	0.386	2.0	34.6
0809B040500	4	50	1.40	0.386	2.0	38.6
0809B010700	1	70	1.40	0.272	2.2	20.8
0809B020700	2	70	1.40	0.272	2.2	36.8
0809B030700	3	70	1.40	0.272	2.2	39.6
0809B040700	4	70	1.40	0.272	2.2	44.3
0809B010950	1	95	1.60	0.206	2.4	23.6
0809B020950	2	95	1.60	0.206	2.4	41.8
0809B030950	3	95	1.60	0.206	2.4	47.0
0809B040950	4	95	1.60	0.206	2.4	50.2
0809B011200	1	120	1.60	0.161	2.5	26.0
0809B021200	2	120	1.60	0.161	2.5	46.2
0809B031200	3	120	1.60	0.161	2.5	51.0
0809B041200	4	120	1.60	0.161	2.5	55.7
0809B031500	3	150	1.80	0.129	2.6	54.8
0809B041500	4	150	1.80	0.129	2.6	62.1
0809B031850	3	185	2.00	0.106	2.8	61.2
0809B041850	4	185	2.00	0.106	2.8	68.5
0809B032400	3	240	2.20	0.0801	3.0	69.7
0809B042400	4	240	2.20	0.0801	3.0	77.9
0809B033000	3	300	2.40	0.0641	3.2	75.7
0809B043000	4	300	2.40	0.0641	3.2	84.4



Control Cables

Single Core - Flexible As per IS 694



Application

These cables are designed for residential and commercial infrastructure. They serve as the connecting medium in power and control panels, cabinets & switch gears. They can also be used for the purposes such as stationary and static appliances, motors and for other single phase connections.

Properties

- PVC self-extinguishing
- Flame retardant
- RoHS
- CE marking

Construction

- Bare copper, fine wire conductors to IEC 60228 cl. 5, IS: 8130
- Insulation of PVC (Type A, B, C) IS : 5831
- Conductors core color coded as per IS 694.

Technical Parameter

- Voltage rating : 650V/1100V
- Temp rating : - 15°C to +70°C / 105°C
- Short circuit : 160°C
- Bending radius : 4 to 6 x diameter of cable
- Standard cable colour : As per IS 694



0809 - Control Cables

Cable Design Parameters

Part No.	Area in	Conductor construction No. Wire	Max. DC Resistance Km at 20°C	Nominal Insulation Thickness in mm	Cable Dia (Approx.) mm	Current Rating in Amp @ ambient 40°C
	Sq. mm					
0810B010005	0.50	16/0.20	39.0	0.60	2.20	4
0810B010007	0.75	24/0.20	26.0	0.60	2.50	7
0810B010010	1.00	32/0.20	19.5	0.60	2.60	13
0810B010015	1.50	*30/0.20	13.3	0.60	2.90	16
0810B010025	2.50	**50/0.25	7.98	0.70	3.50	20
0810B010040	4.00	56/0.30	4.95	0.80	4.30	27
0810B010060	6.00	84/0.30	3.30	0.80	5.30	35
0810B010100	10.0	140/0.30	1.910	1.00	6.70	46
0810B010160	16.0	101/0.45	1.210	1.00	8.20	62
0810B010250	25.0	158/0.45	0.780	1.20	10.0	80
0810B010350	35.0	220/0.45	0.554	1.20	11.3	102
0810B010500	50.0	315/0.45	0.386	1.40	13.5	138
0810B010700	70.0	440/0.45	0.272	1.40	15.5	214
0810B010950	95.0	485/0.50	0.206	1.60	18.5	260
0810B011200	120	608/0.50	0.161	2.00	20.9	305
0810B011500	150	750/0.50	0.129	2.00	22.5	355
0810B011850	185	925/0.50	0.106	2.20	24.6	415
0810B012400	240	1221/0.50	0.0801	2.20	27.6	500

* This size can be supplied in 48/0.2 construction.

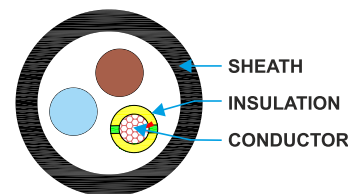
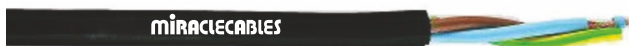
**This size can be supplied in 80/0.2 construction.





Control Cables

H05VV-F and H07VV-F



Application

These flexible PVC control cables are especially suited to use for the appliance with medium mechanical stresses with free movement without tensile stress in households, kitchens and offices, also for household appliances in damp and wet areas, e.g. refrigerators, washing machines, spin-driver etc., as far as this cable is admitted to the relevant specifications of the equipment.

These cables are suited to be used for cooking and heating apparatus under the condition that cable does not come in direct contact with hot parts of the apparatus and no other influences or heat.

The cables are suitable for fixed installation in furniture, partition walls, decoration covering and in hollow spaces of prefabricated building parts. They are not suitable for use in open air, in industries (also permitted to tailor workshops and of that kind) and in agriculture plants and for connecting commercial electrical tools.

Properties

- 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 bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5, IEC 60228 cl. 5, HD 383
- PVC conductor insulation T12 to DIN VDE 0281 part 1
- Conductors color coded to DIN VDE 0293-308
- Green-yellow grounding, 3 conductors and above
- Conductor stranded in layers with optimal lay-length
- PVC outer jacket, color by request
- PVC outer jacket TM2 to DIN VDE 0281 part 1
- Imprint on the outer jacket: e.g. european VDE HAR H05VV-F

Technical Parameter

- Control cable, special PVC with oil resistant outer jacket to DIN VDE 0281 part 13, HD 21.13S1 and IEC 60227/75
- Temperature range : Flexing, -5°C to +70°C, fixed installation -40°C to +70°C
- Nominal voltage : U0/U 300/500 V
- Test voltage : 2000 V, 5min.
- Breakdown voltage : Min. 4000 V
- Insulation resistance : Min. 20 M ohm x km
- Minimum bending radius : Flexing 7.5x cable dia, fixed installation 4x cable dia, radiation resistance, up to 80x10⁶ cJ/kg



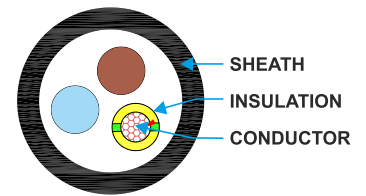
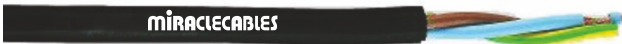
Cable Design Parameters

Part No.	No. core x cross-sec (mm ²)	Outer Diameter (mm)	Weight (kg/km)
0811B020005	H05VV5-F-OZ 2X0.5	5.2-6.6	46
0811B030005X	H05VV5-F 3G0.5	5.5-7.0	54
0811B040005X	H05VV5-F 4G0.5	6.2-7.9	65
0811B050005X	H05VV5-F 5G0.5	6.8-8.6	80
0811B060005X	H05VV5-F 6G0.5	7.6-9.6	104
0811B070005X	H05VV5-F 7G0.5	8.3-10.4	119
0811B080005X	H05VV5-F 8G0.5	8.9-10.8	134
0811B090005X	H05VV5-F 9G0.5	9.7-12.1	136
0811B100005X	H05VV5-F 10G0.5	10.0-12.2	166
0811B120005X	H05VV5-F 12G0.5	10.4-12.9	186
0811B140005X	H05VV5-F 14G0.5	10.8-13.2	215
0811B180005X	H05VV5-F 18G0.5	12.3-15.3	251
0811B250005X	H05VV5-F 25G0.5	15.1-18.8	349
0811B270005X	H05VV5-F 27G0.5	15.1-18.6	373
0811B340005X	H05VV5-F 34G0.5	16.8-20.8	480
0811B360005X	H05VV5-F 36G0.5	17.0-20.9	510
0811B410005X	H05VV5-F 41G0.5	18.2-22.4	570
0811B020007	H05VV5-F-OZ 2X0.75	5.7-7.2	52
0811B030007X	H05VV5-F 3G0.75	6.0-7.6	68
0811B040007X	H05VV5-F 4G0.75	6.6-8.3	82
0811B050007X	H05VV5-F 5G0.75	7.4-9.3	107
0811B060007X	H05VV5-F 6G0.75	8.1--10.1	132
0811B070007X	H05VV5-F 7G0.75	9.0-11.3	145
0811B080007X	H05VV5-F 8G0.75	10.0-12.2	189
0811B090007X	H05VV5-F 9G0.75	10.7-13.4	194
0811B120007X	H05VV5-F 12G0.75	11.0-13.7	231
0811B140007X	H05VV5-F 14G0.75	11.9-14.6	274
0811B180007X	H05VV5-F 18G0.75	13.2-16.4	313



Control Cables

H05VV-F and H07VV-F



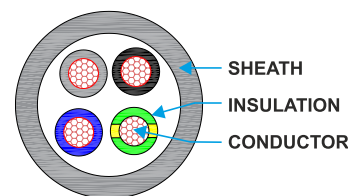
Cable Design Parameters

Part No.	No. core x cross-sec (mm ²)	Outer Diameter (mm)	Weight Cable (kg/km)
0811B250007X	HO5VV5-F 25G0.75	16.0-19.9	461
0811B270007X	HO5VV5-F 27G0.75	16.2-19.9	493
0811B340007X	HO5VV5-F 34G0.75	18.0-22.3	614
0811B360007X	HO5VV5-F 36G0.75	18.2-22.4	646
0811B410007X	HO5VV5-F 41G0.75	19.7-24.1	730
0811B500007X	HO5VV5-F 50G0.75	21.9-27.1	896
0811B020010	HO5VV5-F-OZ 2X1	5.9-7.8	66
0811B030010X	HO5VV5-F 3G1	6.3-8.0	78
0811B040010X	HO5VV5-F 4G1	6.9-8.7	104
0811B050010X	HO5VV5-F 5G1	7.8-9.8	123
0811B060010X	HO5VV5-F 6G1	8.7-10.8	152
0811B070010X	HO5VV5-F 7G1	9.5-11.8	183
0811B080010X	HO5VV5-F 8G1	10.5-12.9	220
0811B090010X	HO5VV5-F 9G1	11.3-14.0	230
0811B120010X	HO5VV5-F 12G1	11.8-14.6	269
0811B140010X	HO5VV5-F 14G1	12.7-15.6	361
0811B180010X	HO5VV5-F 18G1	14.0-17.2	400
0811B190010X	HO5VV5-F 19G1	14.3-17.6	413
0811B250010X	HO5VV5-F 25G1	16.8-17.6	546
0811B270010X	HO5VV5-F 27G1	17.0-21.0	582
0811B340010X	HO5VV5-F 34G1	19.2-23.6	724
0811B360010X	HO5VV5-F 36G1	19.4-23.8	775
0811B370010X	HO5VV5-F 37G1	19.8-24.5	785
0811B410010X	HO5VV5-F 41G1	20.8-25.5	822
0811B500010X	HO5VV5-F 50G1	22.9-28.0	1052
0811B020015	HO7VV7-F-OZ 2X1.5	6.8-8.6	77
0811B030015X	HO7VV7-F 3G1.5	7.4-9.4	97
0811B040015X	HO7VV7-F 4G1.5	8.2-10.2	128
0811B050015X	HO7VV7-F 5G1.5	9.1-11.4	149
0811B060015X	HO7VV7-F 6G1.5	10.2-12.6	196
0811B070015X	HO7VV7-F 7G1.5	11.3-14.1	216
0811B080015X	HO7VV7-F 8G1.5	12.5-15.5	271
0811B090015X	HO7VV7-F 9G1.5	12.9-16.1	282
0811B120015X	HO7VV7-F 12G1.5	13.8-17.0	324
0811B140015X	HO7VV7-F 14G1.5	14.3-18.0	372
0811B180015X	HO7VV7-F 18G1.5	16.5-20.3	485
0811B190015X	HO7VV7-F 19G1.5	16.2-20.0	495
0811B250015X	HO7VV7-F 25G1.5	20.8-25.6	671
0811B270015X	HO7VV7-F 27G1.5	20.3-24.9	695
0811B320015X	HO7VV7-F 32G1.5	21.4-26.4	820
0811B340015X	HO7VV7-F 34G1.5	23.1-28.8	881
0811B360015X	HO7VV7-F 36G1.5	23.0-28.2	905
0811B370015X	HO7VV7-F 37G1.5	23.0-28.2	920
0811B410015X	HO7VV7-F 41G1.5	24.3-29.8	1085
0811B020025	HO7VV7-F-OZ 2X2.5	8.4-10.6	110
0811B030025X	HO7VV7-F 3G2.5	9.2-11.4	154
0811B040025X	HO7VV7-F 4G2.5	10.1-12.5	212
0811B050025X	HO7VV7-F 5G2.5	11.2-13.9	242
0811B070025X	HO7VV7-F 7G2.5	13.6-16.8	350
0811B080025X	HO7VV7-F 8G2.5	14.9-18.7	379
0811B120025X	HO7VV7-F 12G2.5	16.8-20.6	543
0811B140025X	HO7VV7-F 14G2.5	17.5-22.1	611
0811B180025X	HO7VV7-F 18G2.5	20.2-24.8	787
0811B250025X	HO7VV7-F 25G2.5	24.6-3.2	1175
0811B270025X	HO7VV7-F 27G2.5	24.7-30.2	1280
0811B340025X	HO7VV7-F 34G2.5	27.9-34.1	1529
0811B360025X	HO7VV7-F 36G2.5	28.0-34.2	1791
0811B410025X	HO7VV7-F 41G2.5	30.3-36.9	1905



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



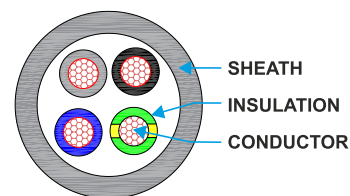
Cable Design Parameters

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

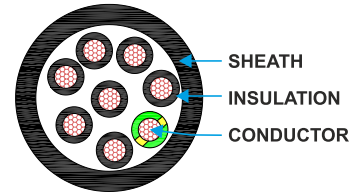
Part No.	Core x Area	Outer Diameter	Copper Weight	Weight Cable
	sq.mm	mm	kg/km	kg/km
0812B180007X	JB-500 18G0.75	12.2	130.0	257
0812B210007X	JB-500 21G0.75	13.5	151.0	320
0812B250007X	JB-500 25G0.75	14.5	180.0	365
0812B020010	JB-500 2x1	5.6	19.2	60
0812B030010X	JB-500 3G1	6.1	29.0	72
0812B030010	JB-500 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

0811 - Control Cables



Control Cables - JZ-500

Unshielded Number Coded



0812 - Control Cables

Application

These cables are used for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air, as measuring and control cables in tool machines, conveyor belts, production lines in machinery production, in air-conditioning and in steel production. The grounding is laid in the outer layer. Selected PVC-compounds guarantee a good flexibility as well as an economic and fast installation.
 CE The product is conformed with the EC low-voltage directive 73/23/EEC and 93/68/EEC.

Properties

- Extensively oil resistant
- For chemical resistance, see table technical information
- PVC self-extinguishing and flame retardant according to DIN 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 substances harmful to the wetting properties of lacquers

Construction

- Bare copper, fine wire conductors according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Conductor insulation of special PVC Z 7225
- Black conductors with continuous white numbering according to DIN VDE 0293 (also available with other conductor colours)
- Green-yellow grounding in the outer layer (3 conductors and above)
- Conductors stranded in layers with optimal lay-length
- Outer jacket of special PVC, TM2 to DIN VDE 0281 part 1 and HD 21.1
- Color : Grey (RAL 7001)

Technical Parameter

- Control cables, special PVC
- 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
- Test voltage : 4000 V
- Breakdown voltage : Min. 8000 V
- Insulation resistance : Min. 20 Mohm x km
- Minimum bending radius : Flexing 7.5 x cable dia, fixed installation 4 x cable dia
- Radiation resistance : Up to 80x10⁶ cJ/kg (up to 80 Mrad)



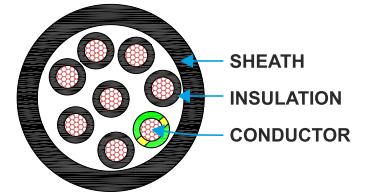
Cable Design Parameters

Part No.	Description & No. Conductors x cross-sec.	Outer Diameter	Weight Cable
	mm ²	mm	kg/km
0813B020005	JZ-500 2X0.5	4.9	40
0813B030005X	JZ-500 3G0.5	5.2	46
0813B030005	JZ-500 3X0.5	5.2	46
0813B040005X	JZ-500 4G0.5	5.6	56
0813B040005	JZ-500 4X0.5	5.6	56
0813B050005X	JZ-500 5G0.5	6.3	65
0813B050005	JZ-500 5X0.5	6.3	65
0813B060005X	JZ-500 6G0.5	6.9	75
0813B070005X	JZ-500 7G0.5	6.9	80
0813B070005	JZ-500 7X0.5	6.9	80
0813B080005X	JZ-500 8G0.5	7.4	97
0813B080005	JZ-500 8X0.5	7.4	97
0813B100005X	JZ-500 10G0.5	8.3	116
0813B120005X	JZ-500 12G0.5	8.8	135
0813B120005	JZ-500 12X0.5	8.8	135
0813B140005X	JZ-500 14G0.5	9.7	150
0813B160005X	JZ-500 16G0.5	10.2	175
0813B180005X	JZ-500 18G0.5	11.0	196
0813B200005X	JZ-500 20G0.5	11.5	215
0813B210005X	JZ-500 21G0.5	11.5	240
0813B250005X	JZ-500 25G0.5	12.9	270
0813B300005X	JZ-500 30G0.5	13.8	310
0813B320005X	JZ-500 32G0.5	14.3	323
0813B340005X	JZ-500 34G0.5	15.6	362
0813B400005X	JZ-500 40G0.5	16.3	434
0813B420005X	JZ-500 42G0.5	16.1	449
0813B500005X	JZ-500 50G0.5	17.9	513
0813B020007	JZ-500 2X0.75	5.3	46
0813B030007X	JZ-500 3G0.75	5.6	54



Control Cables - JZ-500

Unshielded Number Coded



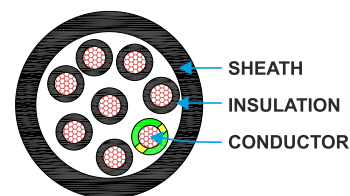
Cable Design Parameters

Part No.	Description & No. Conductors x cross-sec.	Outer Diameter	Weight Cable
	mm ²	mm	kg/km
0813B030007	JZ-500 3X0.75	5.6	54
0813B040007X	JZ-500 4G0.75	6.3	66
0813B040007	JZ-500 4X0.75	6.3	66
0813B050007X	JZ-500 5G0.75	6.9	80
0813B050007	JZ-500 5X0.75	6.9	80
0813B060007X	JZ-500 6G0.75	7.5	99
0813B060007	JZ-500 6X0.75	7.5	99
0813B070007X	JZ-500 7G0.75	7.5	110
0813B070007	JZ-500 7X0.75	7.5	110
0813B080007X	JZ-500 8G0.75	8.2	130
0813B080007	JZ-500 8X0.75	8.2	130
0813B090007X	JZ-500 9G0.75	8.8	153
0813B100007	JZ-500 10X0.75	9.2	162
0813B120007X	JZ-500 12G0.75	9.8	179
0813B120007	JZ-500 12X0.75	9.8	179
0813B140007X	JZ-500 14G0.75	10.6	214
0813B150007X	JZ-500 15G0.75	11.4	218
0813B180007X	JZ-500 18G0.75	12.2	257
0813B190007X	JZ-500 19G0.75	12.7	264
0813B200007X	JZ-500 20G0.75	12.7	286
0813B210007X	JZ-500 21G0.75	12.7	320
0813B250007X	JZ-500 25G0.75	14.3	365
0813B270007X	JZ-500 27G0.75	15.2	382
0813B320007X	JZ-500 32G0.75	15.9	455
0813B340007X	JZ-500 34G0.75	16.7	510
0813B370007X	JZ-500 37G0.75	17.2	537
0813B400007X	JZ-500 40G0.75	17.2	595
0813B410007X	JZ-500 41G0.75	18.0	607
0813B420007X	JZ-500 42G0.75	18.0	612
0813B500007X	JZ-500 50G0.75	19.8	735
0813B020010	JZ-500 2x1	5.6	60
0813B030010X	JZ-500 3G1	5.9	72
0813B030010	JZ-500 3x1	5.9	72
0813B040010X	JZ-500 4G1	6.6	86
0813B040010	JZ-500 4x1	6.6	86
0813B050010X	JZ-500 5G1	7.3	104
0813B050010	JZ-500 5x1	7.3	104
0813B060010X	JZ-500 6G1	8.1	125
0813B070010X	JZ-500 7G1	8.1	141
0813B070010	JZ-500 7x1	8.1	141
0813B080010X	JZ-500 8G1	9.6	175
0813B090010X	JZ-500 9G1	9.8	200
0813B100010X	JZ-500 10G1	9.8	217
0813B100010	JZ-500 10x1	9.8	217
0813B120010X	JZ-500 12G1	10.4	230
0813B120010	JZ-500 12x1	10.4	230
0813B140010X	JZ-500 14G1	11.4	271
0813B160010X	JZ-500 16G1	12.3	300
0813B180010X	JZ-500 18G1	12.9	343
0813B180010	JZ-500 18X1	12.9	343
0813B190010X	JZ-500 19G1	13.0	355
0813B200010X	JZ-500 20G1	13.7	375
0813B200010	JZ-500 20x1	13.7	375
0813B210010X	JZ-500 21G1	13.7	420
0813B210010	JZ-500 24G1	14.7	440
0813B250010X	JZ-500 25G1	15.4	485
0813B250010	JZ-500 25x1	15.4	485
0813B260010X	JZ-500 26G1	15.6	500
0813B270010X	JZ-500 27G1	15.8	534
0813B300010X	JZ-500 30x1	16.4	550



Control Cables - JZ-500

Unshielded Number Coded



0812 - Control Cables

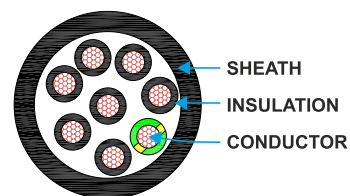
Cable Design Parameters

Part No.	Description & No. Conductors x cross-sec. mm ²	Outer Diameter mm	Weight Cable kg/km
	0813B340010X	JZ-500 34G1	17.9
0813B360010X	JZ-500 36G1	17.9	668
0813B370010X	JZ-500 37G1	18.4	701
0813B400010X	JZ-500 40G1	18.5	755
0813B400010	JZ-500 40x1	18.5	755
0813B410010X	JZ-500 41G1	19.4	770
0813B420010X	JZ-500 42G1	19.4	810
0813B500010X	JZ-500 50G1	21.2	936
0813B020015	JZ-500 2x1.5	6.4	70
0813B030015X	JZ-500 3G1.5	6.8	90
0813B030015	JZ-500 3x1.5	6.8	90
0813B040015X	JZ-500 4G1.5	7.4	109
0813B040015	JZ-500 4x1.5	7.4	109
0813B050015X	JZ-500 5G1.5	8.3	131
0813B050015	JZ-500 5x1.5	8.3	131
0813B060015X	JZ-500 6G1.5	9.2	157
0813B070015X	JZ-500 7G1.5	9.2	184
0813B070015	JZ-500 7x1.5	9.2	184
0813B080015X	JZ-500 8G1.5	9.9	216
0813B090015X	JZ-500 9G1.5	10.9	259
0813B100015X	JZ-500 10G1.5	10.9	275
0813B110015X	JZ-500 11G1.5	12.0	300
0813B120015X	JZ-500 12G1.5	12.0	309
0813B120015	JZ-500 12x1.5	12.0	309
0813B140015X	JZ-500 14G1.5	13.0	345
0813B160015X	JZ-500 16G1.5	13.9	386
0813B180015X	JZ-500 18G1.5	14.6	440
0813B190015X	JZ-500 19G1.5	15.2	445
0813B200015X	JZ-500 20G1.5	15.5	490
0813B210015X	JZ-500 21G1.5	15.5	555
0813B250015X	JZ-500 25G1.5	17.4	620
0813B270015X	JZ-500 27G1.5	19.0	670
0813B320015X	JZ-500 32G1.5	19.5	790
0813B340015X	JZ-500 34G1.5	20.2	830
0813B370015X	JZ-500 37G1.5	20.2	892
0813B020025	JZ-500 2x2.5	7.8	112
0813B030025X	JZ-500 3G2.5	8.3	148
0813B030025	JZ-500 3x2.5	8.3	148
0813B040025X	JZ-500 4G2.5	9.2	178
0813B040025	JZ-500 4x2.5	9.2	178
0813B050025X	JZ-500 5G2.5	10.1	221
0813B050025	JZ-500 5x2.5	10.1	221
0813B070025X	JZ-500 7G2.5	11.2	306
0813B070025	JZ-500 7x2.5	11.2	306
0813B080025X	JZ-500 8G2.5	12.3	363
0813B120025X	JZ-500 12G2.5	14.8	498
0813B140025X	JZ-500 14G2.5	16.0	569
0813B180025X	JZ-500 18G2.5	18.2	764
0813B210025X	JZ-500 21G2.5	19.1	914
0813B250025X	JZ-500 25G2.5	21.6	1044
0813B340025X	JZ-500 34G2.5	25.0	1470
0813B420025X	JZ-500 42G2.5	27.2	1790
0813B500025X	JZ-500 50G2.5	30.0	2095
0813B020040	JZ-500 2x4	9.3	195
0813B030040X	JZ-500 3G4	9.8	230
0813B040040X	JZ-500 4G4	11	295
0813B050040X	JZ-500 5G4	12.3	361
0813B070040X	JZ-500 7G4	13.6	458
0813B080040X	JZ-500 8G4	14.6	590
0813B120040X	JZ-500 12G4	17.8	790



Control Cables - JZ-500

Unshielded Number Coded



Cable Design Parameters

Part No.	Description & No. Conductors x cross-sec.	Outer Diameter	Weight Cable
	mm ²	mm	kg/km
0813B030060X	JZ-500 3G6	11.9	355
0813B040060X	JZ-500 4G6	13.0	424
0813B050060X	JZ-500 5G6	14.5	525
0813B070060X	JZ-500 7G6	16.2	625
0813B030100X	JZ-500 3G10	14.8	540
0813B040100X	JZ-500 4G10	16.4	701
0813B050100X	JZ-500 5G10	18.3	858
0813B070100X	JZ-500 7G10	20.2	1106
0813B030160X	JZ-500 3G16	18.2	827
0813B040160X	JZ-500 4G16	20.0	1035
0813B050160X	JZ-500 5G16	22.6	1259
0813B070160X	JZ-500 7G16	24.8	1780
0813B030250X	JZ-500 3G25	22.2	1186
0813B040250X	JZ-500 4G25	24.9	1582
0813B050250X	JZ-500 5G25	27.7	1999
0813B070250X	JZ-500 7G25	30.6	2825
0813B030350	JZ-500 3x35	25.6	1585
0813B040350X	JB-500 4G35	28.4	2105
0813B050350X	JB-500 5G35	31.7	2633
0813B030500X	JB-500 3G50	30.9	2550
0813B040500X	JB-500 4G50	34.2	2940
0813B050500X	JB-500 5G50	38.3	2936
0813B030700X	JB-500 3G70	36.5	3180
0813B040700X	JB-500 4G70	40.3	4090
0813B030950X	JB-500 3G95	41.1	4680
0813B040950X	JB-500 4G95	45.8	5540
0813B050950X	JB-500 5G95	52.7	6931
0813B041200X	JB-500 4G120	51.4	7000
0813B041500X	JB-500 4G150	58.5	8340
0813B041850X	JB-500 4G185	61.1	9904

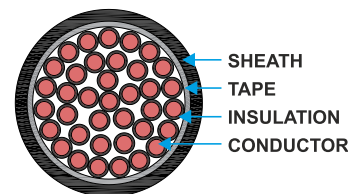
0812 - Control Cables





Control Cables

PVC Control Cables IS 1554/Pt1/1988



0813 - Control Cables

Application

Control cables are an excellent choice for power distribution systems due to their high performance. They are perfect for electrical systems that require multiple functionalities such as monitoring, controlling, regulating, and measuring technical devices and components. Automated systems and systems with multiple inputs and outputs can also benefit from control cables. We are providing control cables to a diverse range of electrical, electronic, digital, and technical sectors for many years. We cater to small, medium, and large entities, industries, and commercial businesses. Additionally, we offer custom-designed and tailored control cables to meet your specific needs.

Properties

- PVC self-extinguishing
- Flame retardant
- Flame retardant and low smoke Cables
- RoHS
- CE marking

Construction

- Conductor : Solid / Stranded bare copper conductor as per IS8130
- Insulation : PVC type A, C as per requirement (IS 5831)
- Inner sheath : PVC type ST-1 / St-2 as applicable
- Armouring : GI round wire / flat Strip as applicable
- Outer sheath : PVC type ST-1 / St-2 as applicable
- Others : FRLSH or FR cables on request

Technical Parameter

- Voltage rating : 650V/1100V
- Temp rating : - 15°C to +70°C /85°C
- Short circuit : 160°C
- Bending radius : 10 x diameter of cable
- Standard cable colour : As per IS 1554/pt-1/1988
- Packing : standard packing of 500 mtr. +/-5% tolerance longer length available on request

1.1KV Grade 1.5Sqmm PVC Insulated (Unarmd & Armoured) Control Cable as per IS 1554/Pt1/1988

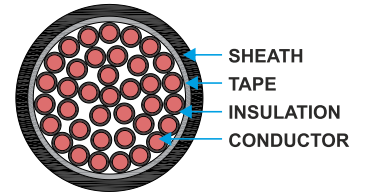
Part Code	No. of Core	Insulation Nom. Thick.(mm.)	Min Inner sheath Thick.(mm.)	Outer Sheath Thic.(mm.)	Overall Diameter (mm)	Weight of Cable Appr. (Kg/km)	Nom. Dia of round wire / Thick.(mm.)	Outer Sheath Thick.(mm.)	Overall Diameter (mm)	Weight of Cable Appr. (Kg/km)
0814B020015	2	0.8	0.3	1.80	12.0	164	1.4	1.24	14.0	378
0814B030015	3	0.8	0.3	1.80	12.5	189	1.4	1.24	14.5	415
0814B040015	4	0.8	0.3	1.80	13.5	222	1.4	1.24	15.0	471
0814B050015	5	0.8	0.3	1.80	14.5	262	1.4	1.24	16.0	535
0814B060015	6	0.8	0.3	1.80	15.5	279	1.4	1.24	17.0	576
0814B070015	7	0.8	0.3	1.80	15.5	290	1.4	1.24	17.0	587
0814B080015	8	0.8	0.3	1.80	16.5	334	1.4	1.24	18.5	654
0814B090015	9	0.8	0.3	1.80	17.5	379	1.4	1.24	19.5	722
0814B100015	10	0.8	0.3	1.80	19.0	393	1.4	1.40	21.0	777
0814B120015	12	0.8	0.3	1.80	19.5	443	4 x 0.8	1.40	21.5	685
0814B140015	14	0.8	0.3	1.80	20.0	498	4 x 0.8	1.40	22.5	755
0814B160015	16	0.8	0.3	1.80	21.0	558	4 x 0.8	1.40	23.5	840
0814B190015	19	0.8	0.3	2.00	22.5	650	4 x 0.8	1.40	24.5	939
0814B210015	21	0.8	0.3	2.00	23.5	717	4 x 0.8	1.40	25.5	1004
0814B240015	24	0.8	0.3	2.00	26.0	801	4 x 0.8	1.40	28.0	1136
0814B270015	27	0.8	0.3	2.00	26.5	875	4 x 0.8	1.40	28.5	1208
0814B300015	30	0.8	0.3	2.00	27.5	952	4 x 0.8	1.40	29.5	1311
0814B330015	33	0.8	0.3	2.00	28.0	1037	4 x 0.8	1.40	30	1420
0814B370015	37	0.8	0.3	2.00	29.0	1133	4 x 0.8	1.40	31.5	1514
0814B440015	44	0.8	0.3	2.00	32.5	1329	4 x 0.8	1.56	35	1783
0814B520015	52	0.8	0.4	2.2	34.5	1570	4 x 0.8	1.56	37.5	2046
0814B610015	61	0.8	0.4	2.2	36.0	1799	4 x 0.8	1.56	39.5	2270

Note : Suffix A for Armoured Cable



Control Cables

PVC Control Cables IS 1554/Pt1/1988



1.1KV Grade 2.5Sqmm PVC Insulated (Unarmd & Armoured) Control Cable as per IS 1554/Pt1/1988

Part Code	No. of Core	Insulation Nom. Thick.(mm.)	Min Inner sheath Thick.(mm.)	Outer Sheath Thic.(mm.)	Overall Diameter (mm)	Weight of Cable Appr. (Kg/km)	Nom. Dia of round wire / Thick.(mm.)	Outer Sheath Thick.(mm.)	Overall Diameter (mm)	Weight of Cable Appr. (Kg/km)
0814B020025	2	0.9	0.3	1.80	13.5	210	1.4	1.24	15.0	447
0814B030025	3	0.9	0.3	1.80	14.0	246	1.4	1.24	15.5	507
0814B040025	4	0.9	0.3	1.80	15.0	294	1.4	1.24	17.0	579
0814B050025	5	0.9	0.3	1.80	16.0	347	1.4	1.24	18.0	655
0814B060025	6	0.9	0.3	1.80	17.5	373	1.4	1.24	19.0	704
0814B070025	7	0.9	0.3	1.80	17.5	390	1.4	1.24	19.0	721
0814B080025	8	0.9	0.3	1.80	18.5	451	1.4	1.40	21.0	835
0814B090025	9	0.9	0.3	1.80	20.0	514	4 x 0.8	1.40	21.0	772
0814B100025	10	0.9	0.3	1.80	21.5	533	4 x 0.8	1.40	22.0	815
0814B120025	12	0.9	0.3	2.00	22.5	628	4 x 0.8	1.40	23.0	917
0814B140025	14	0.9	0.3	2.00	23.5	708	4 x 0.8	1.40	24.0	995
0814B160025	16	0.9	0.3	2.00	24.5	796	4 x 0.8	1.40	25.0	1107
0814B190025	19	0.9	0.3	2.00	26.0	904	4 x 0.8	1.40	26.0	1239
0814B210025	21	0.9	0.3	2.00	27.0	1001	4 x 0.8	1.40	27.5	1360
0814B240025	24	0.9	0.3	2.00	29.5	1121	4 x 0.8	1.40	30.0	1501
0814B270025	27	0.9	0.3	2.00	30.5	1230	4 x 0.8	1.56	31.0	1636
0814B300025	30	0.9	0.3	2.00	31.5	1334	4 x 0.8	1.56	32.0	1799
0814B330025	33	0.9	0.3	2.00	32.5	1467	4 x 0.8	1.56	33.5	1921
0814B370025	37	0.9	0.4	2.20	34.5	1653	4 x 0.8	1.56	34.5	2104
0814B440025	44	0.9	0.4	2.20	38.5	1943	4 x 0.8	1.56	38.5	2439
0814B520025	52	0.9	0.4	2.20	40.0	2237	4 x 0.8	1.56	40.0	2755
0814B610025	61	0.9	0.4	2.20	42.5	2575	4 x 0.8	1.56	42.5	3142

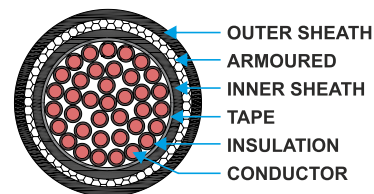
Note : Suffix A for Armoured Cable





Control Cables

XLPE Control Cables IS 7098/Pt1/1988



0814 - Control Cables

Application

Control cables are an excellent choice for power distribution systems due to their high performance. They are perfect for electrical systems that require multiple functionalities such as monitoring, controlling, regulating, and measuring technical devices and components. Automated systems and systems with multiple inputs and outputs can also benefit from control cables. We are providing control cables to a diverse range of electrical, electronic, digital, and technical sectors for many years. We cater to small, medium, and large entities, industries, and commercial businesses. Additionally, we offer custom-designed and tailored control cables to meet your specific needs.

Properties

- Higher Current rating
- Flame retardant
- Flame retardant and low smoke Cables
- RoHS
- CE marking

Construction

- Conductor : Solid / Stranded bare copper conductor as per IS8130
- Insulation : XLPE
- Inner sheath : PVC type St-2 as applicable
- Armouring : GI round wire / flat Strip as applicable
- Outer sheath : PVC type St-2 as applicable
- Others : FRLSH or FR cables on request

Technical Parameter

- Voltage rating : 650V/1100V
- Temp rating : - 15°C to +70°C /85°C
- Short circuit : 250°C
- Bending radius : 10 x diameter of cable
- Standard cable colour : As per IS 7098/pt-1/1988
- Packing : standard packing of 500 mtr. +/-5% tolerance longer length available on request

1.1KV Grade 1.5Sqmm XLPE Insulated (Unarmd & Armoured) Control Cable as per IS 7098/Pt1/1988

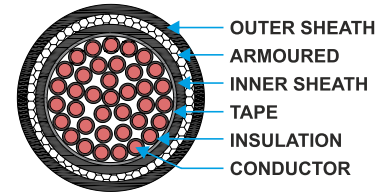
Part Code	No. of Core	Insulation Nom. Thick.(mm.)	Min Inner sheath Thick.(mm.)	Outer Sheath Thic.(mm.)	Overall Diameter (mm)	Weight of Cable Appr. (Kg/km)	Nom. Dia of round wire / Thick.(mm.)	Outer Sheath Thick.(mm.)	Overall Diameter (mm)	Weight of Cable Appr. (Kg/km)
0815B020015	2	0.7	0.3	1.80	11.5	170	1.4	1.24	14.0	430
0815B030015	3	0.7	0.3	1.80	12.0	190	1.4	1.24	14.5	470
0815B040015	4	0.7	0.3	1.80	13.0	220	1.4	1.24	15.0	530
0815B050015	5	0.7	0.3	1.80	14.0	260	1.4	1.24	16.0	590
0815B060015	6	0.7	0.3	1.80	15.0	290	1.4	1.24	17.0	650
0815B070015	7	0.7	0.3	1.80	15.0	300	1.4	1.24	17.0	660
0815B080015	8	0.7	0.3	1.80	16.0	340	1.4	1.24	18.0	720
0815B090015	9	0.7	0.3	1.80	17.0	390	1.4	1.24	19.0	810
0815B100015	10	0.7	0.3	1.80	18.0	400	1.4	1.24	20.0	850
0815B120015	12	0.7	0.3	1.80	18.5	450	1.4	1.24	20.5	910
0815B140015	14	0.7	0.3	1.80	19.0	500	1.4	1.40	22.0	1010
0815B160015	16	0.7	0.3	1.80	20.0	560	4 x 0.8	1.40	23.0	930
0815B190015	19	0.7	0.3	1.80	21.0	630	4 x 0.8	1.40	24.0	1020
0815B210015	21	0.7	0.3	2.00	22.5	710	4 x 0.8	1.40	25.0	1100
0815B240015	24	0.7	0.3	2.00	24.5	800	4 x 0.8	1.40	27.5	1230
0815B270015	27	0.7	0.3	2.00	25.0	860	4 x 0.8	1.40	28.0	1310
0815B300015	30	0.7	0.3	2.00	26.0	940	4 x 0.8	1.40	28.5	1400
0815B330015	33	0.7	0.3	2.00	27.0	1020	4 x 0.8	1.40	29.5	1490
0815B370015	37	0.7	0.3	2.00	27.5	1110	4 x 0.8	1.40	30.5	1600
0815B440015	44	0.7	0.3	2.00	31.0	1290	4 x 0.8	1.56	34	1850
0815B520015	52	0.7	0.3	2.00	32.0	1480	4 x 0.8	1.56	35.5	2090
0815B610015	61	0.7	0.4	2.20	34.5	1720	4 x 0.8	1.56	38.0	2340

Note : Suffix A for Armoured Cable



Control Cables

XLPE Control Cables IS 7098/Pt1/1988



1.1KV Grade 2.5Sqmm XLPE Insulated (Unarmd & Armoured) Control Cable as per IS 7098/Pt1/1988

Part Code	No. of Core	Insulation Nom. Thick.(mm.)	Min Inner sheath Thick.(mm.)	Outer Sheath Thic.(mm.)	Overall Diameter (mm)	Weight of Cable Appr. (Kg/km)	Nom. Dia of round wire / Thick.(mm.)	Outer Sheath Thick.(mm.)	Overall Diameter (mm)	Weight of Cable Appr. (Kg/km)
0815B020025	2	0.7	0.3	1.80	12.5	210	1.4	1.24	15.0	500
0815B030025	3	0.7	0.3	1.80	13.0	240	1.4	1.24	15.5	550
0815B040025	4	0.7	0.3	1.80	14.0	290	1.4	1.24	16.5	620
0815B050025	5	0.7	0.3	1.80	15.0	340	1.4	1.24	17.0	700
0815B060025	6	0.7	0.3	1.80	16.0	390	1.4	1.24	18.5	780
0815B070025	7	0.7	0.3	1.80	16.0	400	1.4	1.24	18.5	800
0815B080025	8	0.7	0.3	1.80	17.0	460	1.4	1.24	19.5	870
0815B090025	9	0.7	0.3	1.80	18.5	510	1.4	1.24	21.0	990
0815B100025	10	0.7	0.3	1.80	19.5	540	4 x 0.8	1.24	22.5	880
0815B120025	12	0.7	0.3	1.80	20.0	610	4 x 0.8	1.40	23.0	980
0815B140025	14	0.7	0.3	1.80	21.0	690	4 x 0.8	1.40	24.0	1070
0815B160025	16	0.7	0.3	2.00	22.5	790	4 x 0.8	1.40	25.0	1180
0815B190025	19	0.7	0.3	2.00	23.5	900	4 x 0.8	1.40	26.0	1300
0815B210025	21	0.7	0.3	2.00	25.0	990	4 x 0.8	1.40	27.5	1420
0815B240025	24	0.7	0.3	2.00	27.0	1100	4 x 0.8	1.40	30.0	1580
0815B270025	27	0.7	0.3	2.00	27.5	1210	4 x 0.8	1.40	30.5	1700
0815B300025	30	0.7	0.3	2.00	28.5	1310	4 x 0.8	1.40	31.5	1820
0815B330025	33	0.7	0.3	2.00	29.5	1428	4 x 0.8	1.40	32.5	1960
0815B370025	37	0.7	0.3	2.00	30.5	1570	4 x 0.8	1.40	34.0	2120
0815B440025	44	0.7	0.4	2.20	35.0	1870	4 x 0.8	1.56	38.5	2490
0815B520025	52	0.7	0.4	2.20	36.5	2140	4 x 0.8	1.56	40.0	2800
0815B610025	61	0.7	0.4	2.20	38.5	2460	4 x 0.8	1.56	42.0	3150

Note : Suffix A for Armoured Cable

0814 - Control Cables

