

Control Cable, JZ-500 PVC

0.50 to 4.0 MM²

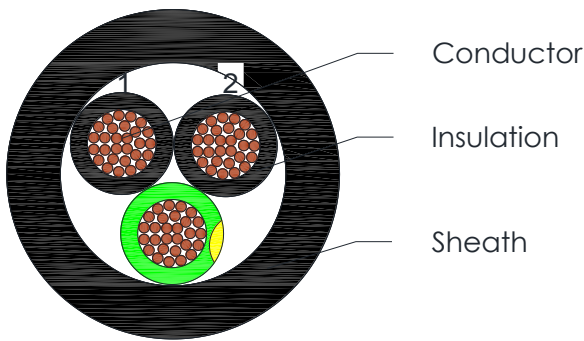


C395 I TO C3992

Applications

Flexible cables for applications with limited force and movements, not intended to be submerged or installed in water but can be used in humid and damp environments. Can be used on conveyor belts.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Bare Copper wire, Class 5
Insulation	Polyvinyl Chloride (PVC) Black conductors with white continuous numbering Green-yellow grounding in the outer layer (3 conductors and above)
Sheath	UV Resistant Oil Resistance Polyvinyl Chloride (PVC) Standard colour: Black
Standard Put Up Length	305 meters

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Electrical Characteristics at 20°C

Conductor Size(sqmm)	Max. DCR (Ohm/km)	Test voltage (V)	Nominal Voltage U0/U (V)	Min. Breakdown Voltage (V)	Min Insulation Resistance (M.Ohm*km)	Temperature range (°C)	
						Flexing	Fixed installation
0.50	39.0	4000	300/500	8000	20	-15 to 80	-40 to 80
0.75	26.0						
1.00	19.5						
1.50	13.3						
2.50	7.98						
4.00	4.95						

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Constructional Information

P/N	No. of conductors x cross-section in mm ²	Nom. Overall Diameter (mm)	Nom Copper Weight (kg/km)	Nom. Weight (kg/km)
C3951	2 X 0.50	5.5	9.6	40
C3952	3G 0.50	5.8	14.4	46
C3953	4G 0.50	6.2	19.0	56
C3954	5G 0.50	6.9	24.0	65
C3955	7G 0.50	7.5	33.6	80
C3956	12G 0.50	9.8	58.0	135
C3957	18G 0.50	11.8	86.0	196
C3958	25G 0.50	13.7	120.0	270
C3959	2 X 0.75	5.9	14.4	46
C3960	3G 0.75	6.2	21.6	54
C3961	4G 0.75	6.7	28.8	66
C3962	5G 0.75	7.5	36.0	80
C3963	7G 0.75	8.3	50.0	110
C3964	12G 0.75	10.8	86.0	179
C3965	18G 0.75	12.8	130.0	257
C3966	25G 0.75	15.1	180.0	365
C3967	2 X 1.00	6.2	19.2	60
C3968	3G 1.00	6.5	29.0	72
C3969	4G 1.00	7.2	38.4	86
C3970	5G 1.00	7.9	48.0	104
C3971	7G 1.00	8.7	67.0	141
C3972	12G 1.00	11.4	115.0	230
C3973	18G 1.00	13.7	173.0	343
C3974	25G 1.00	16.2	240.0	485
C3975	2 X 1.50	7.0	29.0	70
C3976	3G 1.50	7.4	43.0	90
C3977	4G 1.50	8.2	58.0	109
C3978	5G 1.50	9.1	72.0	131
C3979	7G 1.50	9.8	101.0	184
C3980	12G 1.50	13.6	173.0	309
C3981	18G 1.50	15.6	259.0	440
C3982	25G 1.50	18.4	360.0	620
C3983	2 X 1.50	8.4	48.0	112
C3984	3G 2.50	8.9	72.0	148
C3985	4G 2.50	9.8	96.0	178
C3986	5G 2.50	10.9	120.0	221
C3987	7G 2.50	12.0	168.0	306
C3988	12G 2.50	15.9	288.0	498
C3989	18G 2.50	19.0	432.0	764
C3990	25G 2.50	22.6	600.0	1044
C3991	4G 4.00	11.6	154.0	295
C3992	5G 4.00	12.9	192.0	361

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Reference Standards

(BS) EN 50290-2	DIN VDE 0285-525-2-51
IEC 60228 Class 5	DIN EN 50525-2-51
VDE 0293-308	IEC 60332-1
RoHS directives	