

# Connecting and control Cable, JZ-600

0.75 to 4.0 MM<sup>2</sup>

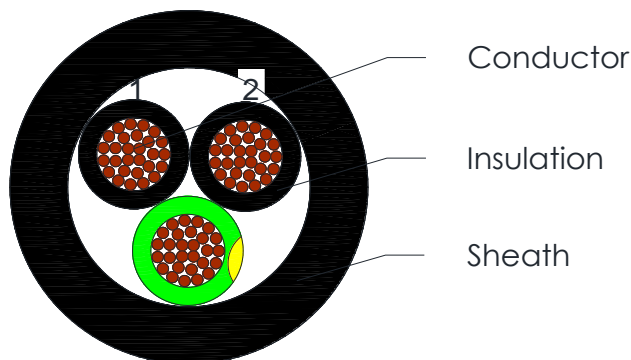


C3749 TO C3863

## Applications

Connecting and control cable in tool machinery, conveyor belts and production lines, for plant installations, air conditioning and in steel production plants and rolling mills. 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 (fixed installation). It is not suitable to be used as direct burial (suitable from an outer diameter of 18,0 mm for direct burial) or as underwater cable. The black, special PVC outer sheath is resistant to the ultra violet radiation. Mainly used in South-European, Eastern and Arabian countries.

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Flexible Bare Copper wire, Class 5
Insulation	PVC Black conductors with white continuous numbering Green-yellow grounding in the outer layer (3 conductors and above)
Sheath	Oil Resistance & UV Resistance 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.

# Connecting and control Cable, JZ-600

## 0.75 to 4.0 MM<sup>2</sup>



### C3749 TO C3863

#### Electrical Characteristics at 20°C

Conductor Size (sqmm)	Max. DCR (Ohm/km)	Test voltage (V)	Min. Breakdown Voltage (V)	Nominal Voltage U0/U (V)	Min. Bending radius		Temperature Range (°C)	
					Flexing	fixed installation	Flexing	fixed installation
0.75	26.0	4000	8000	600/1000	7.5*OD	4*OD	-50 to 80	-40 to 80
1.00	19.5	4000	8000	600/1000	7.5*OD	4*OD	-50 to 80	-40 to 80
1.50	13.3	4000	8000	600/1000	7.5*OD	4*OD	-50 to 80	-40 to 80
2.50	7.98	4000	8000	600/1000	7.5*OD	4*OD	-50 to 80	-40 to 80
4.00	4.95	4000	8000	600/1000	7.5*OD	4*OD	-50 to 80	-40 to 80

#### Constructional Information

##### 0.50mm<sup>2</sup>

P/N	No. of conductors x cross-section in mm <sup>2</sup>	Nom. Overall Diameter (mm)	Nom Copper Weight (kg/km)	Nom. Weight (kg/km)
C3749	2 × 0.50	6.2	9.6	56
C3750	3G 0.50	6.5	14.0	68
C3751	3 × 0.50	6.5	14.0	68
C3752	4G 0.50	7.0	19.0	100
C3753	4 × 0.50	7.0	19.0	100
C3754	5G 0.50	7.9	24.0	117
C3755	5 × 0.50	7.9	24.0	117
C3756	6G 0.50	8.5	29	126
C3757	6 × 0.50	8.5	29	126
C3758	7G 0.50	8.6	34	138
C3759	7 × 0.50	8.6	34	138
C3760	8G 0.50	9.4	38	150
C3761	8 × 0.50	9.4	38	150
C3762	10G 0.50	11.0	48	176
C3763	10 × 0.50	11.0	48	176
C3764	12G 0.50	11.3	58	200
C3765	12 × 0.50	11.3	58	200
C3766	14G 0.50	11.9	67	230
C3767	16G 0.50	12.7	76	250
C3768	18G 0.50	13.3	86	276
C3769	20G 0.50	14.2	96	293
C3770	25G 0.50	15.8	120	335
C3771	34G 0.50	19.3	163	520

# Connecting and control Cable, JZ-600

## 0.75 to 4.0 MM<sup>2</sup>



### C3749 TO C3863

#### 0.75mm<sup>2</sup>

P/N	No. of conductors x cross-section in mm <sup>2</sup>	Nom. Overall Diameter (mm)	Nom Copper Weight (kg/km)	Nom. Weight (kg/km)
C3772	2 X 0.75	5.7	14	56
C3773	3 G 0.75	7.1	22	74
C3774	3 X 0.75	7.1	22	74
C3775	4 G 0.75	7.7	29	126
C3776	4 X 0.75	7.7	29	126
C3777	5 G 0.75	8.5	36	140
C3778	5 X 0.75	8.5	36	140
C3779	6 G 0.75	9.5	43	170
C3780	6 X 0.75	9.5	43	170
C3781	7 G 0.75	9.6	50	190
C3782	7 X 0.75	9.6	50	190
C3783	8 G 0.75	10.2	58	212
C3784	8 X 0.75	10.2	58	212
C3785	9 G 0.75	11.1	65	227
C3786	10 G 0.75	12.2	72	238
C3787	12 G 0.75	12.6	86	257
C3788	12 X 0.75	12.6	86	257
C3789	14 G 0.75	13.2	101	286
C3790	15 G 0.75	14.0	108	319
C3791	18 G 0.75	14.8	130	362
C3792	20 G 0.75	15.7	144	394
C3793	25 G 0.75	17.5	180	486
C3794	34 G 0.75	21.1	245	638

# Connecting and control Cable, JZ-600

## 0.75 to 4.0 MM<sup>2</sup>



### C3749 TO C3863

1.00mm<sup>2</sup>

P/N	No. of conductors x cross-section in mm <sup>2</sup>	Nom. Overall Diameter (mm)	Nom Copper Weight (kg/km)	Nom. Weight (kg/km)
C3795	2 X 1.00	7.0	19.2	80
C3796	3 G 1.00	7.4	29	96
C3797	3 X 1.00	7.4	29	96
C3798	4 G 1.00	8.2	38	100
C3799	4 X 1.00	8.2	38	100
C3800	5 G 1.00	9.0	48	130
C3801	5 X 1.00	9.0	48	130
C3802	6 G 1.00	9.9	58	150
C3803	7 G 1.00	10.0	67	170
C3804	7 X 1.00	10.0	67	170
C3805	8 G 1.00	10.9	77	230
C3806	9 G 1.00	11.7	86	250
C3807	10 G 1.00	12.8	96	270
C3808	10 X 1.00	12.8	96	270
C3809	12 G 1.00	13.2	115	290
C3810	12 X 1.00	13.2	115	290
C3811	14 G 1.00	14.0	134	320
C3812	16 G 1.00	14.8	154	360
C3813	18 G 1.00	15.7	173	405
C3814	18 X 1.00	15.7	173	405
C3815	20 G 1.00	16.7	192	480
C3816	20 X 1.00	16.7	192	480
C3817	25 G 1.00	19.6	240	570
C3818	25 X 1.00	19.6	240	570
C3819	34 G 1.00	22.1	326	750

# Connecting and control Cable, JZ-600

## 0.75 to 4.0 MM<sup>2</sup>



### C3749 TO C3863

#### 1.50mm<sup>2</sup>

P/N	No. of conductors x cross-section in mm <sup>2</sup>	Nom. Overall Diameter (mm)	Nom Copper Weight (kg/km)	Nom. Weight (kg/km)
C3820	2 X 1.50	8.2	29	95
C3821	3 G 1.50	8.7	43	112
C3822	3 X 1.50	8.7	43	112
C3823	4 G 1.50	9.7	58	139
C3824	4 X 1.50	9.7	58	139
C3825	5 G 1.50	10.5	72	170
C3826	5 X 1.50	10.5	72	170
C3827	6 G 1.50	11.6	86	190
C3828	7 G 1.50	11.7	101	225
C3829	7 X 1.50	11.7	101	225
C3830	8 G 1.50	12.7	115	250
C3831	9 G 1.50	13.9	130	280
C3832	10 G 1.50	15.2	144	300
C3833	12 G 1.50	15.7	173	370
C3834	12 X 1.50	15.7	173	370
C3835	14 G 1.50	16.6	202	400
C3836	16 G 1.50	17.5	230	450
C3837	18 G 1.50	19.6	259	520
C3838	20 G 1.50	20.6	288	600
C3839	25 G 1.50	22.6	360	730
C3840	34 G 1.50	25.6	490	950

# Connecting and control Cable, JZ-600

## 0.75 to 4.0 MM<sup>2</sup>



### C3749 TO C3863

#### 2.50mm<sup>2</sup>

P/N	No. of conductors x cross-section in mm <sup>2</sup>	Nom. Overall Diameter (mm)	Nom Copper Weight (kg/km)	Nom. Weight (kg/km)
C3841	2 X 2.50	9.6	48	160
C3842	3 G 2.50	10.1	72	175
C3843	3 X 2.50	10.1	72	175
C3844	4 G 2.50	11.2	96	203
C3845	4 X 2.50	11.2	96	203
C3846	5 G 2.50	12.5	120	251
C3847	5 X 2.50	12.5	120	251
C3848	7 G 2.50	13.8	168	330
C3849	7 X 2.50	13.8	168	330
C3850	8 G 2.50	15.1	192	400
C3851	12 G 2.50	19.6	288	553
C3852	14 G 2.50	20.5	336	630
C3853	18 G 2.50	22.6	432	795
C3854	21 G 2.50	23.8	504	930
C3855	25 G 2.50	26.2	600	1110
C3856	34 G 2.50	30.4	816	1450

#### 4.00mm<sup>2</sup>

P/N	No. of conductors x cross-section in mm <sup>2</sup>	Nom. Overall Diameter (mm)	Nom Copper Weight (kg/km)	Nom. Weight (kg/km)
C3857	2 X 4.00	11.0	77	180
C3858	3 G 4.00	11.6	115	230
C3859	4 G 4.00	12.9	154	310
C3860	5 G 4.00	14.3	192	410
C3861	7 G 4.00	15.8	269	540
C3862	8 G 4.00	17.3	307	710
C3863	12 G 4.00	22.1	461	860

#### Reference Standards

(BS) EN 50290-2	IEC 60332-3-1
IEC 60228 Class 5	VDE 0293-308
RoHS directives	