

LV POWER Cable

1.5mm² to 4.0mm²

PVC Sheath

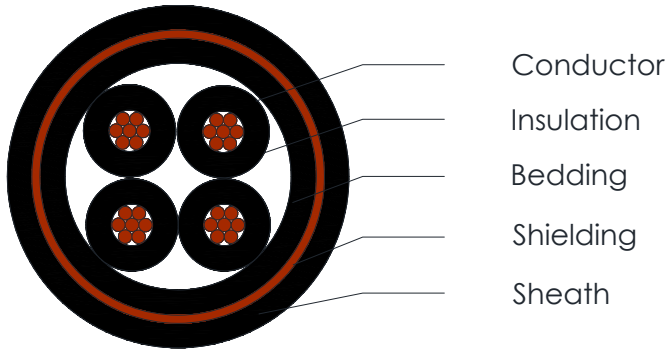


C4760 TO C4784

Applications

Low Voltage control cables are designed and tested to meet all the requirements of the latest edition of IEC 60502-1 standard. In addition, it can also supply a range of alternative designs to meet customer-specified requirements.

Cross Section Drawing



Design

Unit	Properties
Conductor	Stranded bare copper wire
Insulation	FR-PVC Insulation color: Black with numbers
Cabling	Cores cabled together
Bedding	PVC
Shielding	Single copper tape
Outer Sheath Material	FR-PVC Standard Colour: Black
Standard Put Up Length	305m

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

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Cable Information

1.50mm²

P/N	Cross Sectional Area (mm ²)	Max. Conductor Resistance		Continuous Current Ratings			Overall Diameter	Nom. Weight
		DC at 20°C	AC at 70°C	Laid in Ground	Laid in ducts	Laid in free air		
	mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
C4760	2×1.50	12.1	14.48	27	19	22	12.2	225
C4761	3×1.50	12.1	14.48	22	15	18	12.8	255
C4762	4×1.50	12.1	14.48	22	15	18	13.6	290
C4763	5×1.50	12.1	14.48	16	12	14	15.0	315
C4764	7×1.50	12.1	14.48	14	10	12	16.0	380
C4765	10×1.50	12.1	14.48	13	9	11	19.2	500
C4766	12×1.50	12.1	14.48	12	9	10	19.7	555
C4767	16×1.50	12.1	14.48	10	8	9	21.7	690
C4768	24×1.50	12.1	14.48	9	7	8	25.9	940

2.50mm²

P/N	Cross Sectional Area (mm ²)	Max. Conductor Resistance		Continuous Current Ratings			Overall Diameter	Nom. Weight
		DC at 20°C	AC at 70°C	Laid in Ground	Laid in ducts	Laid in free air		
	mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
C4769	2×2.50	7.41	8.87	35	25	29	13.1	270
C4770	3×2.50	7.41	8.87	29	20	24	13.7	310
C4771	4×2.50	7.41	8.87	29	20	24	14.7	360
C4772	5×2.50	7.41	8.87	21	16	18	16.1	385
C4773	7×2.50	7.41	8.87	19	14	16	17.2	475
C4774	10×2.50	7.41	8.87	16	12	15	20.8	635
C4775	12×2.50	7.41	8.87	15	11	14	21.4	715
C4776	16×2.50	7.41	8.87	13	10	13	23.6	895
C4777	24×2.50	7.41	8.87	11	9	11	28.3	1245

4.00mm²

P/N	Cross Sectional Area (mm ²)	Max. Conductor Resistance		Continuous Current Ratings			Overall Diameter	Nom. Weight
		DC at 20°C	AC at 70°C	Laid in Ground	Laid in ducts	Laid in free air		
	mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
C4778	2×4.00	4.61	5.52	45	33	39	15.0	360
C4779	3×4.00	4.61	5.52	37	27	32	15.8	420
C4780	4×4.00	4.61	5.52	37	27	32	16.9	500
C4781	5×4.00	4.61	5.52	28	21	25	18.8	535
C4782	7×4.00	4.61	5.52	24	18	22	20.2	670
C4783	10×4.00	4.61	5.52	21	16	20	24.8	910
C4784	12×4.00	4.61	5.52	20	15	19	25.5	1035

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Reference Standards

IEC 60228	DIN 47100
EN 50290-2	IEC60332-1
RoHS directives	