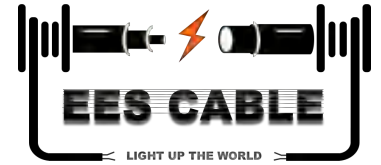


**0.6/1 kV Multi-core cables, PVC insulated, unarmoured with copper conductor**  
**Power Cable LV**



**Multi-Core Cables, with Stranded Copper Conductors, PVC Insulated and PVC Sheathed**

**APPLICATIONS**

These cables are intended for fixed installations, indoors and outdoors, in low voltage electricity systems. They are normally used for the distribution of electrical energy in urban networks, power or switching stations, industrial plants, as well as in switchgears, in applications where there is no risk of mechanical damage.

**CABLE CHARACTERISTICS**



**APPLICABLE STANDARDS**

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

**CABLE CONSTRUCTION**

**Conductor**

Plain annealed stranded circular (rm) or sector shaped (sm) copper conductor (Class 2 to IEC 60228).

**Insulation**

Extruded layer of Polyvinyl Chloride (PVC) - Type (PVC/A) to IEC 60502-1.

**Core Identification**

- ○ Red, Black
- ○ ○ Red, Yellow, Blue
- ○ ○ ○ Red, Yellow, Blue, Black

**Assembly**

Cores are assembled together using Non-hygroscopic filler, if needed.

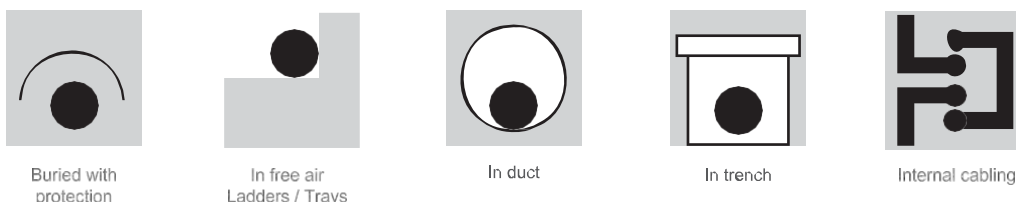
**Outer Jacket**

Extruded layer of Polyvinyl Chloride (PVC) - Type (ST1) to IEC 60502-1.

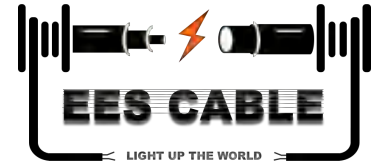
*Note: The core identification colour shown above is the most common. However, any other colour can be provided upon a customer's request (e.g. to HD 308 S2 or IEC 60445).*



**CABLE INSTALLATION**



0.6/1 kV Multi-core cables, PVC insulated,  
unarmoured with copper conductor  
**Power Cable LV**



**POWER CABLES / IEC 60502-1 CU / PVC / PVC**

**0.6 / 1 kV**

Nominal cross sectional area	ELECTRICAL DATA						DIMENSIONS AND WEIGHTS		Cable Code
	Max. Conductor Resistance		Continuous Current Ratings			Approx. overall diameter	Approx. overall weight		
	DC at 20 °C	AC at 70 °C	Laid in ground	Laid in ducts	Laid in free air				
mm <sup>2</sup>	Ω / km	Ω / km	A	A	A	mm	kg / km		
<b>Two Core Cables</b>									
1.5	rm	12.1000	14.4777	27	19	21	9.9	145	C208PA10200CB01IMR
2.5	rm	7.4100	8.8661	36	24	28	10.8	185	C210PA10200CB01IMR
4	rm	4.6100	5.5159	47	32	38	12.7	260	C212PA10200CB01IMR
6	rm	3.0800	3.6853	58	40	48	13.8	330	C213PA10200CB01IMR
10	rm	1.8300	2.1898	76	53	65	15.0	420	C314PA10200CB01IMR
16	rm	1.1500	1.3763	98	70	86	17.0	580	C315PA10200CB01IMR
25	rm	0.7270	0.8703	127	92	116	20.1	855	C316PA10200CB01IMR
35	rm	0.5240	0.6276	152	111	142	22.2	1100	C317PA10200CB01IMR
<b>Three Core Cables</b>									
1.5	rm	12.1000	14.4777	23	15	18	10.4	170	C208PA10300CB04IMR
2.5	rm	7.4100	8.8661	29	20	23	11.4	220	C210PA10300CB04IMR
4	rm	4.6100	5.5159	38	26	32	13.4	315	C212PA10300CB04IMR
6	rm	3.0800	3.6853	48	33	40	14.7	400	C213PA10300CB04IMR
10	rm	1.8300	2.1898	63	43	55	16.4	500	C314PA10300CB04IMR
16	rm	1.1500	1.3763	81	57	72	18.6	720	C315PA10300CB04IMR
25	rm	0.7270	0.8703	105	75	98	21.9	1020	C316PA10300CB04IMR
35	sm	0.5240	0.6276	117	85	107	21.2	1310	C417PA10300CB04IMR
50	sm	0.3870	0.4639	139	103	131	24.6	1715	C418PA10300CB04IMR
70	sm	0.2680	0.3220	170	128	166	27.7	2355	C419PA10300CB04IMR
95	sm	0.1930	0.2328	204	156	204	32.1	3205	C445PA10300CB04IMR
120	sm	0.1530	0.1856	231	178	235	34.0	3940	C446PA10300CB04IMF
<b>Four Core Cables</b>									
1.5	rm	12.1000	14.4777	23	15	18	11.3	205	C208PA10400CB08IMR
2.5	rm	7.4100	8.8661	29	20	23	12.3	265	C210PA10400CB08IMR
4	rm	4.6100	5.5159	38	26	32	14.6	385	C212PA10400CB08IMR
6	rm	3.0800	3.6853	48	33	40	16.0	500	C213PA10400CB08IMR
10	rm	1.8300	2.1898	63	43	55	17.9	670	C314PA10400CB08IMR
16	rm	1.1500	1.3763	81	57	72	20.3	920	C315PA10400CB08IMR
25	rm	0.7270	0.8703	105	75	98	24.1	1295	C316PA10400CB08IMR
35	sm	0.5240	0.6276	117	85	107	24.5	1665	C417PA10400CB08IMR
50	sm	0.3870	0.4639	139	103	131	28.7	2220	C418PA10400CB08IMR
70	sm	0.2680	0.3220	170	128	166	32.3	3055	C419PA10400CB08IMR
95	sm	0.1930	0.2328	204	156	204	36.2	4200	C445PA10400CB08IMR
120	sm	0.1530	0.1856	231	178	235	39.6	5185	C446PA10400CB08IMF
150	sm	0.1240	0.1514	259	203	270	44.3	6390	C447PA10400CB08IMF
185	sm	0.0991	0.1224	292	232	311	49.1	7905	C448PA10400CB08IMF
240	sm	0.0754	0.0952	338	272	370	55.6	10280	C449PA10400CB08IMS
300	sm	0.0601	0.0780	381	310	426	61.7	12840	C450PA10400CB08IMS
400	sm	0.0470	0.0638	431	357	495	70.3	16455	C451PA10400CB08IMS
500	sm	0.0366	0.0531	484	405	568	77.8	21170	C452PA10400CB08IMS
<b>Four Core Cables with Reduced Neutral</b>									
25rm	16rm	0.7270 / 1.1500	0.8703 / 1.3763	105	75	98	23.1	1215	C334PA10400CB08IMR
35sm	16rm	0.5240 / 1.1500	0.6276 / 1.3763	117	85	107	24.5	1480	C435PA10400CB08IMR
50sm	25rm	0.3870 / 0.7270	0.4639 / 0.8703	139	103	131	28.7	2005	C436PA10400CB08IMR
70sm	35sm	0.2680 / 0.5240	0.3220 / 0.6276	170	128	166	32.3	2745	C437PA10400CB08IMR
95sm	50sm	0.1930 / 0.3870	0.2328 / 0.4639	204	156	204	36.2	3700	C438PA10400CB08IMR
120sm	70sm	0.1530 / 0.2680	0.1856 / 0.3220	231	178	235	39.6	4665	C439PA10400CB08IMF
150sm	70sm	0.1240 / 0.2680	0.1514 / 0.3220	259	203	270	44.3	5605	C440PA10400CB08IMF
185sm	95sm	0.0991 / 0.1930	0.1224 / 0.2328	292	232	311	49.1	7035	C441PA10400CB08IMF
240sm	120sm	0.0754 / 0.1530	0.0952 / 0.1856	338	272	370	55.6	9045	C442PA10400CB08IMS
300sm	150sm	0.0601 / 0.1240	0.0780 / 0.1514	381	310	426	61.7	11290	C443PA10400CB08IMS
400sm	185sm	0.0470 / 0.0991	0.0638 / 0.1224	431	357	495	70.3	14375	C444PA10400CB08IMS
500sm	240sm	0.0366 / 0.0754	0.0531 / 0.0952	484	405	568	77.8	18415	C466PA10400CB08IMS