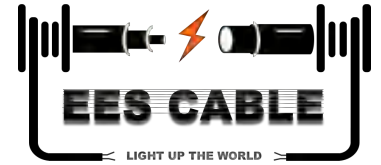


0.6/1 kV Multi-core cables, XLPE insulated, unarmoured with copper conductor
Power Cable LV



Multi-Core Cables, with Stranded Copper Conductors, XLPE 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 Cross-linked Polyethylene (XLPE) to IEC 60502-1.

Core Identification

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

Assembly

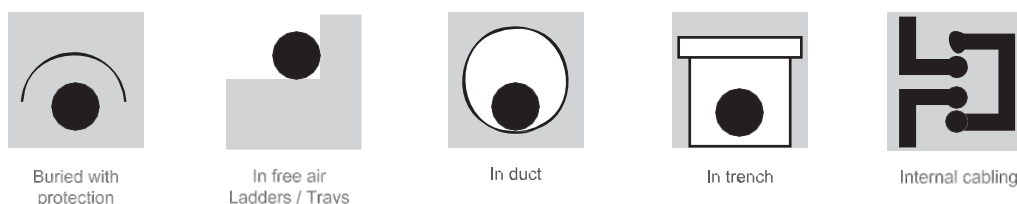
Cores are assembled together using Non-hygroscopic filler, if needed.

Outer Jacket

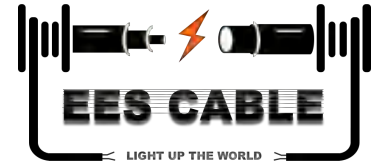
Extruded layer of Polyvinyl Chloride (PVC) - Type (ST2) to IEC 60502-1.

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, XLPE insulated,
unarmoured with copper conductor
Power Cable LV



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

0.6 / 1 kV

Nominal cross sectional area mm ²	ELECTRICAL DATA						DIMENSIONS AND WEIGHTS		Cable Code
	Max. Conductor Resistance		Continuous Current Ratings			Approx. overall diameter mm	Approx. overall weight kg / km		
	DC at 20 °C Ω / km	AC at 90 °C Ω / km	Laid in ground A	Laid in ducts A	Laid in free air A				
Two Core Cables									
1.5	rm	12.1000	15.4287	33	22	28	9.5	130	C208XA10200MB01IMR
2.5	rm	7.4100	9.4485	43	29	36	10.4	165	C210XA10200MB01IMR
4	rm	4.6100	5.8783	56	38	48	11.5	215	C212XA10200MB01IMR
6	rm	3.0800	3.9274	69	48	61	12.6	275	C213XA10200MB01IMR
10	rm	1.8300	2.3336	91	63	82	13.8	365	C314XA10200MB01IMR
16	rm	1.1500	1.4667	118	83	110	15.8	520	C315XA10200MB01IMR
25	rm	0.7270	0.9275	153	110	149	18.9	775	C316XA10200MB01IMR
35	rm	0.5240	0.6688	183	133	183	21.0	1010	C317XA10200MB01IMR
Three Core Cables									
1.5	rm	12.1000	15.4287	27	18	23	10.1	150	C208XA10300MB04IMR
2.5	rm	7.4100	9.4485	35	24	30	11.0	195	C210XA10300MB04IMR
4	rm	4.6100	5.8783	46	31	40	12.1	260	C212XA10300MB04IMR
6	rm	3.0800	3.9274	57	39	51	13.4	340	C213XA10300MB04IMR
10	rm	1.8300	2.3336	75	53	70	15.1	445	C314XA10300MB04IMR
16	rm	1.1500	1.4667	97	69	93	17.3	660	C315XA10300MB04IMR
25	rm	0.7270	0.9275	126	92	126	20.6	940	C316XA10300MB04IMR
35	sm	0.5240	0.6688	144	105	141	20.0	1210	C417XA10300MB04IMR
50	sm	0.3870	0.4944	171	127	173	23.0	1580	C418XA10300MB04IMR
70	sm	0.2680	0.3431	209	159	220	26.5	2210	C419XA10300MB04IMR
95	sm	0.1930	0.2481	251	193	271	29.9	2970	C445XA10300MB04IMR
120	sm	0.1530	0.1976	286	223	317	33.2	3710	C446XA10300MB04IMF
Four Core Cables									
1.5	rm	12.1000	15.4287	27	18	23	10.8	175	C208XA10400MB08IMR
2.5	rm	7.4100	9.4485	35	24	30	11.9	235	C210XA10400MB08IMR
4	rm	4.6100	5.8783	46	31	40	13.2	315	C212XA10400MB08IMR
6	rm	3.0800	3.9274	57	39	51	14.5	420	C213XA10400MB08IMR
10	rm	1.8300	2.3336	75	53	70	16.4	600	C314XA10400MB08IMR
16	rm	1.1500	1.4667	97	69	93	18.9	840	C315XA10400MB08IMR
25	rm	0.7270	0.9275	126	92	126	22.6	1190	C316XA10400MB08IMR
35	sm	0.5240	0.6688	144	105	141	23.0	1535	C417XA10400MB08IMR
50	sm	0.3870	0.4944	171	127	173	26.5	2020	C418XA10400MB08IMR
70	sm	0.2680	0.3431	209	159	220	30.8	2865	C419XA10400MB08IMR
95	sm	0.1930	0.2481	251	193	271	33.5	3890	C445XA10400MB08IMR
120	sm	0.1530	0.1976	286	223	317	37.6	4890	C446XA10400MB08IMF
150	sm	0.1240	0.1612	319	252	360	42.1	6010	C447XA10400MB08IMF
185	sm	0.0991	0.1302	361	288	416	47.1	7475	C448XA10400MB08IMF
240	sm	0.0754	0.1012	417	339	495	52.9	9685	C449XA10400MB08IMS
300	sm	0.0601	0.0829	470	386	570	58.5	12100	C450XA10400MB08IMS
400	sm	0.0470	0.0676	533	444	665	67.1	15550	C451XA10400MB08IMS
500	sm	0.0366	0.0561	598	505	764	74.6	20100	C452XA10400MB08IMS
Four Core Cables with Reduced Neutral									
25rm	16rm	0.7270 / 1.1500	0.9275 / 1.4667	126	92	126	21.7	1115	C334XA10400MB08IMR
35sm	16rm	0.5240 / 1.1500	0.6688 / 1.4667	144	105	141	23.0	1365	C435XA10400MB08IMR
50sm	25rm	0.3870 / 0.7270	0.4944 / 0.9275	171	127	173	26.5	1825	C436XA10400MB08IMR
70sm	35sm	0.2680 / 0.5240	0.3431 / 0.6688	209	159	220	29.2	2545	C437XA10400MB08IMR
95sm	50sm	0.1930 / 0.3870	0.2481 / 0.4944	251	193	271	33.0	3440	C438XA10400MB08IMR
120sm	70sm	0.1530 / 0.2680	0.1976 / 0.3431	286	223	317	35.9	4380	C439XA10400MB08IMF
150sm	70sm	0.1240 / 0.2680	0.1612 / 0.3431	319	252	360	39.7	5260	C440XA10400MB08IMF
185sm	95sm	0.0991 / 0.1930	0.1302 / 0.2481	361	288	416	44.6	6630	C441XA10400MB08IMF
240sm	120sm	0.0754 / 0.1530	0.1012 / 0.1976	417	339	495	49.9	8525	C442XA10400MB08IMS
300sm	150sm	0.0601 / 0.1240	0.0829 / 0.1612	470	386	570	55.2	10630	C443XA10400MB08IMS
400sm	185sm	0.0470 / 0.0991	0.0676 / 0.1302	533	444	665	63.1	13545	C444XA10400MB08IMS
500sm	240sm	0.0366 / 0.0754	0.0561 / 0.1012	598	505	764	70.3	17465	C466XA10400MB08IMS