

CABLE RECOMMENDATION SIZE FOR PUMPS – CABLE SIZE 4 CORE IN mm
MAXIMUM LENGTH OF CABLE IN METRES

MOTOR (kw)	VOLT	1.5mm	2.5mm	4mm	6mm	10mm	16mm
SINGLE PHASE MOTORS							
0.37	230	80	130	230	350	580	1000
0.55	230	55	90	140	200	350	700
0.75	230	40	65	105	160	300	500
1.1	230	30	50	75	115	190	400
1.5	230	25	35	60	90	145	230
2.2	230	–	30	50	70	120	185
3 PHASE MOTORS							
0.37	415	400	500	600	850	1000	1300
0.55	415	315	430	600	700	900	1200
0.75	415	240	350	500	650	750	1000
1.1	415	180	285	350	450	600	900
1.5	415	135	225	360	470	600	900
2.2	415	100	165	255	390	450	700
3	415	65	110	180	255	420	560
4	415	50	85	135	195	330	500
5.5	415	40	70	110	165	270	390
7.5	415	30	55	90	130	220	495

CABLE RESISTANCE EXAMPLES

Max volt drop allowed is 2.5% = 6v @ 230v

1.1kw motor single phase on 150m of cable, ie: on 1.1kw the maximum you can run is 190m, if you use 10mm.

1.1 kw motor three phase on 150m of cable, ie: 1.1kw can go up to 180m on 1.5mm cable. Therefore on 10mm it can run up to 600m.