

SUBMERSIBLE CABLE SELECTION CHART

Motor Rating		Cable Size in Sq.mm								
		1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
kW	HP	Maximum Length of Cable in Metres								
0.75	1	262	437	705						
1.1	1.5	222	370	596	895					
1.5	2	160	267	430	646					
2.2	3	111	185	298	447	773				
3	4	84	141	228	342	590	933			
3.7	5	72	120	193	290	502	793			
4.5	6	60	100	161	242	462	661			
5.5	7.5 DOL		82	133	200	346	547			
5.5	7.5 SD	86	143	231	347	600	947			
6.7	9	69	115	186	279	483	763			
7.5	10	64	106	172	258	446	704			
9.3	12.5		83	134	201	348	549	852		
11	15		71	115	173	300	473	735		
13	17.5			98	148	256	404	626	882	
15	20			86	129	223	352	546	769	
18.5	25			78	117	202	319	495	697	
22.5	30				96	167	264	409	577	828
26	35					145	229	355	500	717
30	40					133	211	327	461	662

Note : Table shows maximum allowable length of submersible cable for the given full load current where site voltage is normal ie 415 V.
 For other voltages, the cable size is to be selected for the length which is calculated as follows.
 Calculated length = (415 / Actual voltage) x Actual length
 7.5 HP and above are SD motors. For these motors, the actual current is 1/√3 times the FL current.
 The cable size and maximum allowable length are arrived at accordingly.

SUBMERSIBLE CABLE SELECTION CHART

Motor Rating		Cable Size in Sq.mm								
		1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
kW	HP	Maximum Length of Cable in Metres								
0.37	0.5	160	267	430	646					
0.55	0.75	133	222	359	538					
0.75	1	120	200	323	484	837				
1.1	1.5	75	126	204	306	529	835			
1.5	2	92	92	149	223	386	610	946		
2.2	3		60	96	145	251	396	615	866	
3.7	5			69	103	179	283	439	618	888

Note : Table shows maximum allowable length of submersible cable for the given full load current where site voltage is normal ie 220 V.
 For other voltages, the cable size is to be selected for the length which is calculated as follows.
 Calculated length = (220 / Actual voltage) x Actual length