

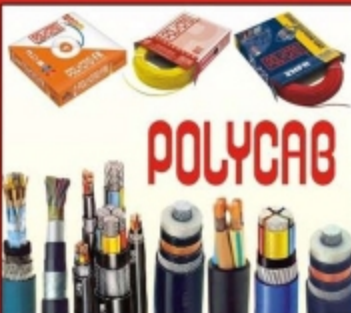
**CURRENT RATING OF POLY-CAB COPPER, ARMURED / UNARMURED CABLES 1100 V GRADE IN AIR**

AREA SQ. MM.	TWIN CORE AMP.	3, 3½, 4 CORE AMP.
1.5	20	17
2.5	27	24
4	35	30
6	45	39
10	60	52
16	78	66
25	105	90
35	125	110
50	155	135
70	195	165
95	230	200
120	265	235
150	305	265
185	350	305
240	410	355
300	465	400
400	530	455

**ESTIMATED FULL LOAD CURRENT FOR MOTORS**

H.P.	KW	Single Phase Amp.	Three Phase Amp	Recommended Cable Size Sq. MM. Copper / Aluminium
0.5	0.37	3.7	1.0	1.5 2.5
0.75	0.55	5.0	1.3	1.5 2.5
1.00	0.75	6.5	1.9	1.5 2.5
1.50	1.10	11.5	2.6	1.5 2.5
2.0	1.50	--	3.7	1.5 2.5
3.0	2.20	--	4.8	1.5 2.5
5.0	3.70	--	7.8	1.5 2.5
7.5	5.50	--	11.2	1.5 2.5
10.0	7.50	--	16.0	2.5 4.0
12.5	9.30	--	19.0	2.5 4.0
15.0	11.00	--	22.0	4.0 6.0
20.0	15.00	--	29.0	6.0 10.0
25.0	18.50	--	34.0	10.0 16.0
30.0	22.00	--	41.0	10.0 16.0
35.0	26.00	--	47.0	16.0 25.0
40.0	30.00	--	54.0	16.0 25.0
50.0	37.00	--	67.0	25.0 35.0
60.0	45.00	--	80.0	35.0 50.0
75.0	55.00	--	97.0	50.0 70.0
100.0	75.00	--	131.0	70.0 95.0
125.0	90.00	--	152.0	95 120/150
150.0	110.0	--	191.0	150 185
180.0	132.0	--	229.0	185 240
192.0	143.0	--	248.0	185 240

The above Data is Indicative and may be revised without prior intimation Poly-cab will not be liable for any damages out of incorrect application



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NOMINAL AREA OF CONDUCTOR IN SQ.MM. SIZE	CURRENT RATING OF BUILDING WIRES & INDUSTRIAL FLEXIBLES AMP.	3, 3.5, 4 Core 1.1 KV, PVC CABLES WITH Aluminium conductors Laid AMP		3, 3.5, 4 Core 1.1 KV, XLPE CABLES WITH Aluminium conductors Laid AMP		3 Core-3.3 KV, 6.6 KV, 11 KV, PVC Cables with Aluminium conductors Laid AMP		1 Core-3.2k V / 6.6 KV (E) 6.6 / 6.6 KV (UE) 6.35/11KV (E) XLPE Cables with Al.conductors laid AMP		3 Core-1.5 / 3.3 KV (E), 3.3 / 3.3 KV (UE), 3.8 / 6.6 KV (E), 6.35 / 11 KV (E) - 25 to 480 Sq. mm, 11/11 kv (UE) - 70 to 400 Sq. mm, 11.7 / 22 kv (E), 19 / 33 kv (E) 55 to 400 Sq. mm and 33 / 33kv (E) 120 to 400 Sq. mm XLPE Cables with Aluminium conductors laid AMP	
		IN AIR	IN GROUND	IN AIR	IN GROUND	IN AIR	IN GROUND	IN AIR	IN GROUND	IN AIR	IN GROUND
0.5	4	---	---	---	---	---	---	---	---	---	---
0.75	7	---	---	---	---	---	---	---	---	---	---
1	12	---	---	---	---	---	---	---	---	---	---
1.5	16	13	15	---	---	---	---	---	---	---	---
2.5	22	18	21	---	---	---	---	---	---	---	---
4	28	23	28	31	34	---	---	---	---	---	---
6	37	30	35	50	43	---	---	---	---	---	---
10	51	40	48	67	57	---	---	---	---	---	---
16	68	51	63	70	75	---	---	---	---	---	---
25	85	70	75	86	84	---	---	---	---	---	---
35	110	88	92	117	113	88	88	145	120	125	115
50	145	105	110	142	133	106	106	170	140	150	130
70	215	130	135	179	164	130	125	215	175	180	150
95	260	155	165	221	186	155	150	260	205	230	190
120	305	180	185	257	223	180	170	305	235	260	220
150	355	205	210	292	249	205	195	345	260	285	245
185	415	240	235	337	262	235	220	395	295	305	275
240	500	290	275	389	326	270	250	470	340	365	315
300	585	315	305	455	367	310	280	540	385	450	355
400	685	375	335	530	418	365	315	630	440	520	400
500	805	410	350	612	470	420	355	730	495	---	---
630	905	---	---	---	---	---	---	840	560	---	---
800	1050	---	---	---	---	---	---	960	620	---	---
1000	1185	---	---	---	---	---	---	1070	680	---	---

NOTE - 1) For Approx. current ratings for POWER CABLES with Copper conductor increase the above ratings by 25%.

NOTE - 2) The above ratings are normal ratings and will subject to derating factors for various conditions as per IS: 3981