



MUNISU CABLE INDUSTRIES PVT. LTD.

HOUSE WIRES-IS : 694



“Quality Is A Global Currency”

“Munisul” Your Quality Insurance Against Fire.



HOUSE WIRES
TECHNICAL CATALOGUE
IS : 694

“Munis” SINGLE CORE PVC INSULATED FLEXIBLE CABLES FOR HOUSE WIRING WITH ANNEALED BARE COPPER CONDUCTOR. STD. : IS:694:1990, GRADE : 1100 V.

Conductor Area	Construction No./Dia of Strand	Average thickness of Insu.	Overall Dia	Maximum Resistance per km. At 20° C	Recommended Current Rating
SQ.MM.	MM.	MM	MM		AMP
0.75	11/0.3	0.6	2.4	26.0	7
1.0	14/0.3	0.7	2.7	18.1	12
1.5	21/0.3	0.7	3.1	12.1	16
2.5	35/0.3	0.8	3.6	7.41	22
4.0	56/0.3	0.8	4.2	4.95	29
6.0	84/0.3	0.8	5.0	3.3	37

ESTIMATED FULL LOAD CURRENTS FOR MOTORS

H.P.	KW	Single Phase Amp	Three Phase Amp	Recommended Cable Size Sq.mm.	
0.5	0.37	3.7	1.0	1.5	- Copper
0.75	0.55	5.0	1.3	1.5	- Copper
1.00	0.75	6.5	1.9	1.5	- Copper
1.50	1.10	11.5	2.6	1.5	- Copper
2.00	1.50	--	3.7	1.5	- Copper
3.0	2.20	--	4.8	1.5	- Copper
5.0	3.70	--	7.8	1.5	- Copper
7.5	5.50	--	11.2	1.5	- Copper
10.0	7.50	--	15.5	2.5	- Copper
12.5	9.30	--	19.0	2.5	- Copper
15.0	11.00	--	22.0	6	- Aluminium
20.0	15.00	--	29.0	10	- Aluminium
25.0	18.50	--	35.0	16	- Aluminium
30.0	22.00	--	40.0	16	- Aluminium
35.0	26.00	--	47.0	25	- Aluminium
40.0	30.00	--	53.0	25	- Aluminium
50.0	37.00	--	65.0	35	- Aluminium
60.0	45.00	--	80.0	50	- Aluminium
75.0	55.00	--	94.0	70	- Aluminium
100.0	75.00	--	127.0	95	- Aluminium



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125.0	90.00	--	152.0	150	- Aluminium
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In place of Aluminium Cable if Copper cables are to be used take one size lower than size recommended for Aluminium Cable. i.e. for 75 H.P. 70 sq.mm. cable. i.e. for 75 H.P. 70 sq.mm. Aluminium Cable is recommended. If you desire to use Copper Cable then use 50 sq.mm. Copper Cable for 75 H.P. Motor.

THE ABOVE DATA IS INDICATIVE AND MAY BE REVISED WITHOUT PRIOR INFORMATION
MUNISU CABLE INDUSTRIES PVT. LTD. WILL NOT BE LIABLE FOR ANY DAMAGES ARISING
OUT OF INCORRECT APPLICATION.

MUNISU CABLE INDUSTRIES PVT. LTD.

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