

## GUARANTEED TECHNICAL PARTICULARS *for*

**Name of Firm :** .....

**Standards** : IS:6162 (Part-I) 1971 with latest amendments and other relevant IS

Sl. no	Particulars	Minimum Guaranteed values									
	<b><u>Al. conductor</u></b>										
		1	2	3	4	5	6	7	8	9	10
1	Nominal conductor Diameter (mm)	<b>0.813</b>	<b>0.910</b>	<b>1.000</b>	<b>1.320</b>	<b>1.400</b>	<b>1.520</b>	<b>1.620</b>	<b>2.030</b>	<b>2.340</b>	<b>2.500</b>
2	Tolerance $\pm$ (mm)	0.008	0.009	0.010	0.013	0.014	0.015	0.016	0.020	0.023	0.025
3	Max. Overall diameter (mm)	1.098	1.195	1.285	1.610	1.715	1.835	1.935	2.400	2.710	2.875
4	Min Increase in Dimension due to covering (mm)	0.225	0.225	0.225	0.225	0.250	0.250	0.250	0.300	0.300	0.300
5	Resistivity at 20 deg C (Ohm-mm/meter)	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280
6	Density at 20 deg C (gm/cm <sup>3</sup> )	2.7030	2.7030	2.7030	2.7030	2.7030	2.7030	2.7030	2.7030	2.7030	2.7030
7	Min. Tensile Strength (MN/m <sup>2</sup> )	69	69	69	69	69	69	69	69	69	69
8	Max. Tensile Strength (MN/m <sup>2</sup> )	100	100	100	100	100	100	100	100	100	100
9	Min. Elongation Percentage	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%
10	Checking of conductors declared weight.	verification as per offered list									
	<b><u>Paper</u></b>										
11	Grade of Covering	Double Paper Covering, Ordinary									
12	Thickness of Paper (mm)	0.025 to 0.075 mm, both inclusive									
13	Overlapping percentage	25% of width									
	<b><u>Packing</u></b>										
14	Maximum gross weight per drum/reel (Kg)	<b>12 kg (approx)</b>			<b>18 kg (approx)</b>						
15	<b><u>Note:</u></b>	1. The result shall cover all aspects of technical specification and relevant IS. 2. Each reel shall have the Name of manufacturer/supplier and details of Purchaser engraved/embossed necessarily on it 3. The conductor should remain at least half inch below the outer periphery of drum /reels so that the material is not damaged.									