

**schedule of Guaranteed Technical Particulars**  
**for**  
**Super Enameled Aluminum winding wire**

**Name of firm-**

Sl. No.	Name of Material	Size
1	<b>Super Enameled Aluminium winding wire of various sizes</b>	<b>0.813 mm</b>
2		<b>0.91 mm</b>
3		<b>1.00 mm</b>
4		<b>1.32 mm</b>
5		<b>1.40 mm</b>
6		<b>1.52 mm</b>
7		<b>1.62 mm</b>
8		<b>2.03 mm</b>
9		<b>2.34 mm</b>
10		<b>2.50 mm</b>

Sl. No.	Particulars	Min Guaranteed Value As Per IS and TS	offered value
1	Tolerance on standard size	As per relevant IS	
2	Overall diameter of conductor (bare)	As per relevant IS	
3	Overall diameter of conductor (with insulation)	As per relevant IS	
4	cross sectional area of Aluminium conductor.	As per relevant IS	
5	Checking of conductors declared weight.	As per relevant -TS	
6	Elongation of Aluminium (min)	As per relevant IS	
7	Maximum Resistivity of Aluminium at 20°C	0.0280 ohm mm <sup>2</sup> /m	
8	Density of Aluminium at 20°C	2.703 gm/cm <sup>3</sup>	
9	Wrapping test on Aluminium	conductor shall not crack	
10	Break down voltage	As per relevant IS	
11	Mendrel winding test	As per relevant IS	
12	Heat soak test	As per relevant IS	
13	Resistance to solvent test	As per relevant IS	
14	Packing in drum (maximum gross and net weight )		
	(i) for 0.813mm to 1.00mm size	Gross weight aprox	9-12 (max) Kg.
		Net weight aprox	8-11 (max) Kg.
	(ii) for 1.32mm to 2.50mm size	Gross weight aprox	9-15 (max) Kg.
		Net weight aprox	8-14 (max) Kg.

**Note :**

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.