

**Guaranteed Technical Particulars**  
for  
**DPC Aluminium winding wire**

Name of firm :

Sl. No.	Name of Material	Size
1	<b>DPC Al. wire ( Double Paper covering )</b>	<b>0.813 mm</b>
2		<b>0.91 mm</b>
3		<b>1.32 mm</b>
4		<b>1.40 mm</b>
5		<b>1.52 mm</b>
6		<b>1.62 mm</b>
7		<b>2.03 mm</b>
8		<b>2.34 mm</b>
9		<b>2.50 mm</b>

Sl. No.	Particulars	Minimum 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 covering)	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	Tensile Strength of Alluminium	As per relevant IS	
7	Elongation of Alluminium (min)	As per relevant IS	
8	Wrapping test on Alluminium	conductor shall not crack	
9	Maximum Resistivity of Alluminium at 20°C	0.0280 ohm mm <sup>2</sup> /m	
10	Density of Alluminium at 20°C	2.703 gm/cm <sup>3</sup>	
11	Paper		
	i) Overlap wound (min)	25% of width	
	ii) Thickness of paper	0.025 and 0.13 mm	
12	Packing in drum		
	i) Gross weight (for 0.813mm to 1.00mm)	9-12 Kg.	
	ii) Net weight (for 0.813mm to 1.00mm)	8-11 Kg.	
	iii) Gross weight (for 1.32mm to 2.50mm)	9-15 Kg.	
	iv) Net weight (for 1.32mm to 2.50mm)	8-14 Kg.	

**Note :**

- The result shall cover all aspects of technical specification and relevant IS.
- Each reel shall have the Name of manufacturer/supplier and details of Purchaser engraved/embossed necessarily on it
- The conductor should remain at least half inch below the outer periphery of drum /reels so that the material is not damaged.