

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

Name of firm :

Sl. No.	Name of Material	Size
1	DPC Al. wire (Double Paper covering)	0.813 mm
2		0.91 mm
3		1.00 mm
4		1.32 mm
5		1.40 mm
6		1.52 mm
7		1.62 mm
8		2.03 mm
9		2.34 mm
10		2.50 mm

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	Increase in diameter of conductor due to covering	As per relevant IS	
5	Maximum Resistivity of Alluminium at 20°C	0.0280 ohm mm ² /m	
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	Density of Alluminium at 20°C	2.703 gm/cm ³	
10	Checking of conductors declared weight.	As per relevant - TS	
11	Paper		
	i) Overlap wound (min)	25% of width	
	ii) Thickness of paper	0.025mm to 0.13 mm	
12	Packing in drum		
	i) Max. Gross weight per reel (for 0.813mm to 1.00mm)	12 Kg. (approx)	
	ii) Max. Gross weight per reel (for 1.32mm to 2.50mm)	18 Kg. (approx)	

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.