

8.

DIMENSIONAL TOLERANCES

Tolerance on width and thickness

Nominal Width (mm.)		Tolerance on width (mm)	Tolerance on thickness 3 mm & up to 10mm.	Radius on Corner (mm.)
Over	Upto and including			
10	18	± 0.10	± 0.07	1.0
18	30	± 0.15	± 0.08	1.0
30	50	± 0.20	± 0.10	1.0
50	80	± 0.25	± 0.12	1.0
80	120	± 0.40	± 0.15	1.0

RADIUS ON CORNER OF FULL ROUND OR ANY SPECIFIC VALUE REQUIRED CAN ALSO BE SUPPLIED.

9. PHYSICAL AND MECHANICAL PROPERTIES

Sr. No.	Parameter	Unit	Values
1.	Tensile Strength	N/Sq.mm.	220 - 290
2.	Elongation	% min.	15
3.	Hardness	HB Brinnel	50 – 65 Annealed 70 – 90 Half hard Above 90 Full hard
4.	Conductivity	% IACS	96.5

10. EDGEWISE BENDING (FOR ANNEALED CONDUCTOR)

Multiplying factor for mandrel size

Width to Thickness Ratio	Multiplying Factor
< 30 ≥ 20	1.5
< 20 ≥ 10	1.25
< 10 ≥ 5	1.0

11. PACKING

- a. Cut pieces in required length.
- b. In coil form, coil weight will be 200 Kgs. Approx. Inner diameter of coil 400mm. plus.

All cut pieces shall be wrapped with polythene and with stretchable film to avoid any abrasion or damage.