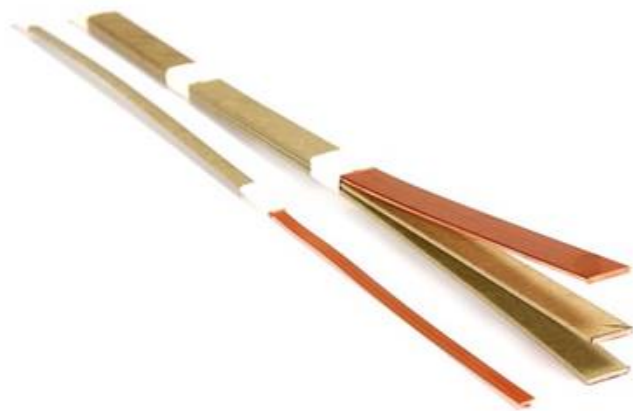
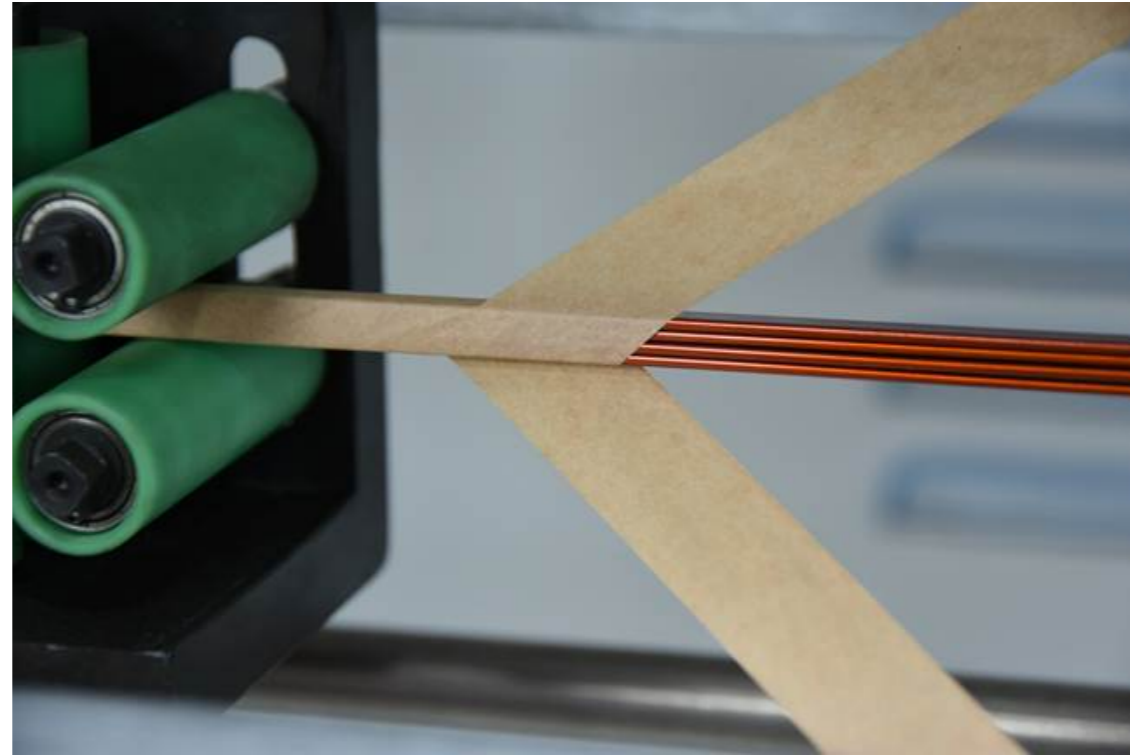


PICC-Paper Insulated Copper Conductor



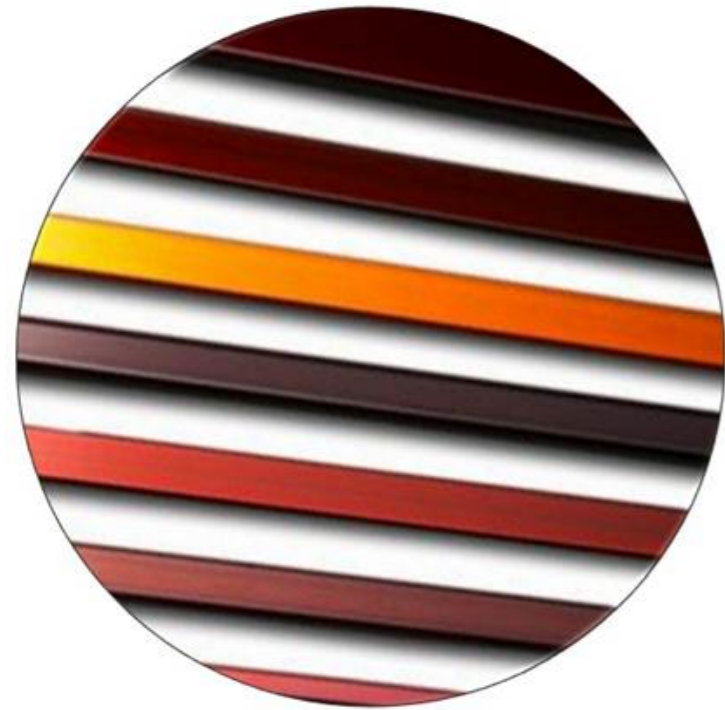
Paper insulated copper conductors of various constructions ranging from 1 to 6 strips, with enamel or bare copper, covered with electrical grade insulating papers are widely used for electrical windings.



Raw materials:

Copper & Copper Alloys:






CU-ETP, CU-Ag0.1 & OFC according to ASTM B-49-17



Wire Enamels:

PVA(Poly-Vinyl-Acetate), (PEI)Poly-ester-Imide, (PAI)Poly-Amide-Imide, Bonding enamel/ Epoxy.

Enamels are used based on customer design requirement.

S.No.	Common Nomenclature	Image
1	Kraft Paper	
2	Thermally upgraded Paper	
3	Crepe Paper	
4	Nomex Paper	
5	Presspahn Paper	

Electrical grade insulating papers:
Kraft, Thermally upgraded Kraft, Crepe papers as per IEC 60554, Nomex (Aramid) paper.

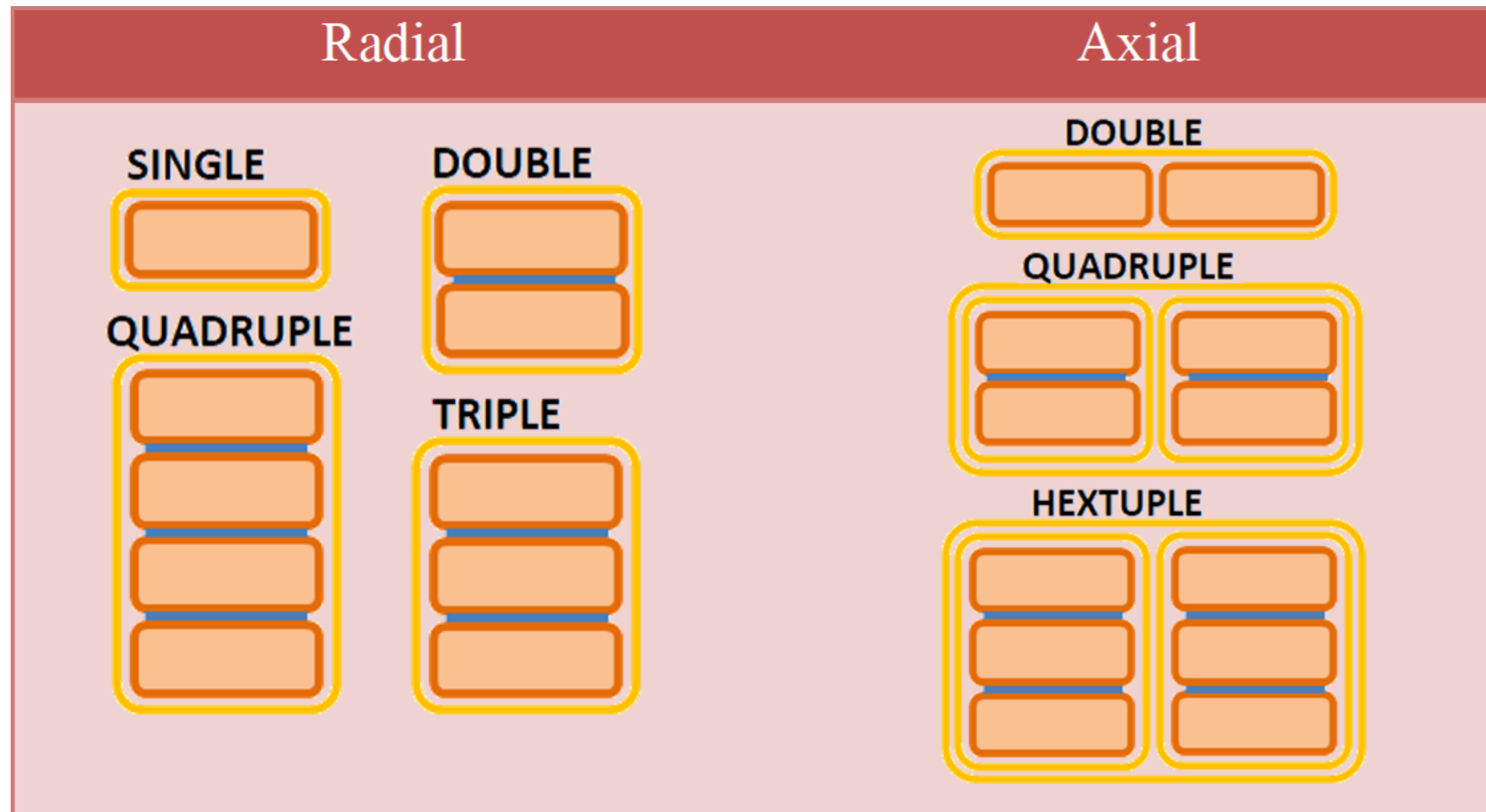
Technical Details

Size Range

Parameter	Range
Width (Single Strip)	3.00 mm to 14.00 mm
Thickness (Single Strip)	1.00 mm to 4.50 mm
Number of layers	Maximum 16

PICC – Arrangement of conductor:

Paper insulated copper conductors can be offered in following arrangement



The present installed capacity for paper insulated copper conductors is 2400MT/annum (Single wire 1200MT/annum, Bunched conductor 1200MT/annum)

Spools & Packaging

PICC is supplied on returnable/ non-returnable plywood/ wooden drums.

Spool Type	Flange Diameter (mm)	Barrel Diameter (mm)	Traverse (mm)	Overall Width (mm)	Bore (mm)	Capacity (kg)
162723	400	270	230	270	45	50
182723	460	270	230	270	45	90
202725	510	270	250	294	45	160
222725	560	270	250	294	45	190
222730	560	270	300	350	45	200
305633	760	560	330	390	45	260
346033	860	600	330	390	45	370
407035	1015	700	350	420	45	500
407623	1015	760	230	300	45	400

