

# INSULATION TAPPED COPPER / ALUMINIUM CONDUCTORS

<b>Name</b>	Tapped Copper / Aluminium Conductors
<b>Type</b>	Round / Rectangular
<b>Conductor</b>	Copper / Aluminium
<b>Insulation Material</b>	Electric Grade Insulating Kraft Paper / Glass Mica / Polyester Film / Polyimide Film
<b>Application</b>	Traction Motors / Switch Gears / Transformers (Dry Tye or Oil filled)

### ELECTRICAL GRADE PAPER COVERED

Type	Base Metal	Diameter (mm)	Width (mm)	Thickness (mm)	Insulation Thickness (mm)
Round	Copper	1 to 6	-	-	0.20 to 0.50
Rectangular	Copper	-	5 to 20	2 to 5	0.20 to 1.50
Round	Aluminium	1 to 6	-	-	0.20 to 0.50
Rectangular	Aluminium	-	5 to 20	2 to 5	0.20 to 1.50
Insulation Grade	Electrical Grade Insulating Kraft Paper				
Thermal Class	105 °C				

### GLASS MICA COVERED

Type	Base Metal	Diameter (mm)	Width (mm)	Thickness (mm)	Insulation Thickness (mm)
Round	Copper	2 to 6	-	-	As required
Rectangular	Copper	-	5 to 12	2 to 5	As required
Round	Aluminium	2 to 6	-	-	As required
Rectangular	Aluminium	-	5 to 12	5 to 12	As required
Insulation Grade	Glass Mica				
Thermal Class	200 °C				

### POLYESTER FILM COVERED

Type	Base Metal	Diameter (mm)	Width (mm)	Thickness (mm)	Insulation Thickness (mm)
Round	Copper	2 to 8	-	-	0.20 to 0.50
Rectangular	Copper	-	5 to 20	2 to 5	0.20 to 0.51
Round	Aluminium	2 to 8	-	-	0.20 to 0.52
Rectangular	Aluminium	-	5 to 20	5 to 12	0.20 to 0.53
Insulation Grade	Polyester Film				
Thermal Class	155 °C				

### AROMATIC POLYIMIDE FILM COVERED

Type	Base Metal	Diameter (mm)	Width (mm)	Thickness (mm)	Insulation Thickness (mm)
Round	Copper	2 to 5	-	-	As required
Rectangular	Copper	-	5 to 10	2 to 5	As required
Round	Aluminium	2 to 5	-	-	As required
Rectangular	Aluminium	-	5 to 10	5 to 12	As required
Insulation Grade	Aromatic Polyimide Film				
Thermal Class	240 °C				

### CREPE PAPER COVERED

Type	Base Metal	Diameter (mm)	Width (mm)	Thickness (mm)	Insulation Thickness (mm)
Round	Copper	2 to 5			As required
Round	Aluminium	2 to 5			As required
Insulation Grade	Insulating Kraft Paper / Crepe Paper				
Thermal Class	105 °C				