

INSULATION TAPPED COPPER / ALUMINIUM CONDUCTORS

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

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				