



## **ENAMELLED COPPER WIRE INFORMATION**

### **TYPE ; PEI**

PEI is a polyester imide coated wire that is the most common wire used in Australia today for the electric motor repair

### **APPLICATIONS**

High Performance Motors  
Large relays  
Any application where periodic exposure to temperatures up to 200°C occurs.  
Transformers  
Choke Coils

### **PROPERTIES**

Temperature Index on Copper 155°C (Class F)  
Thermoplastic flow temperature not less than 320°C  
Smooth Glossy surface finish  
Chemically very stable, resists extraction with R22, methanol trichloroethylene and perchlorethylene  
Performs well in hermetically sealed coils when properly dried  
Excellent stability with a heat shock of not less than 205°C.  
Good resistance to abrasion  
Good flexibility and adhesion to the conductor  
Very low dissipation factor that is minimally affected in humid conditions

### **LIMITATIONS**

The insulation may craze if brought in contact with highly polar solvents  
It is recommended that coils be stress relieved for 10 minutes at 180°C

### **AVAILABILITY**

Size range ; 0.050 to 4.50mm