

## TECHNICAL DATA

## POLYBOND H180 ROUND - Self-Bonding Enamelled Copper Wire

### DESCRIPTION

Polybond H180 wires are designed to bond together turn to turn without the need of impregnating varnishes and resins.

Polybond H180 wires are easily bonded with heat in the production process, resulting in coils of high bond strength, as well as increasing productivity of the production line.

### APPLICATIONS

Motors, armatures and dry-type transformers, including voice receiver coils, small motors, spindle motors, tag coils, camera coils, optical pick-up coils, RFID cards.

### PROPERTIES

Temperature class	180°C
Enamel - Base coat	Polyesterimide
Enamel - Top coat	Polyamide-imide
Enamel - Bond coat	Aliphatic Polyamide or Aromatic Polyamide
Diameters	0.180 - 2.000mm
Grades	G-1B, G-2B
Colours	Natural, Red, Green, Black
Bonding temperature	170/210°C
Re-softening temperature	155/190°C
Breakdown voltage	1.5 x IEC value
Heat shock	> 175°C
Solderability	Non solderable
Cut through	≥ 300°C
Chemical resistance	Good
Methods of test	IEC 60851
Standards (Enamel)	IEC 60317-37 ANSI type MW 3C
Standards (Packaging)	IEC 60264