

BAKED WIRE



Used for self-supporting induction coils, windings for deflection yokes, watchmaking, loudspeaker coils, small motors

HIGHLIGHTS

We use “baked” wire in Air Core Wire Coils, Iron Core Coils and Iron Core Coils + Discs

By using “baked” wire we can create self-sustaining air cored inductors with no need for plastic bobbins

The copper wire has a an insulating layer of lacquer and a bonding layer of layer which is melted at high voltage to create the bonding of the “baked” wire, making the inductor self-sustaining

TECHNICAL INFORMATION

- Enameled copper wire solder able with self-bonding topcoat, class 155, acc to IEC 60317-35, DIN EN 60317-35
- Grade 1B copper wire
- Available in: 0.30 0.40 0.50 0.63 0.70 0.80 1.00 1.20 1.40 1.60 1.80 mm
- Polyurethane with aliphatic polyamide bond coat
- Temperature index of 155, solder ability at 390°C without removing the enamel coating, bonded under action of heat (high voltage)
- Typical values for FLS 155 dia. 1,00 mm Grade 1B, testing according to IEC 60851.1...6
- Overall diameter: max 1.091
- Flexibility: 10% 1 d
- Elongation: ³30 %
- Temperature index: 155
- Cut through: ³ 200°C
- Heat shock at 175°C: 1xd
- Bonding temperature: 170-200°C
- Re-softening temperature: 155°C
- Breakdown voltage: In accordance with IEC 60317-0-1 (7,8 kV)
- Tangent delta /TD 300/: ³ 140
- Solder ability at 390°C: 8 s