



### About baked wire used for our Induction coils.

Description	Enamelled copper wire solderable with self-bonding topcoat, class 155, acc to IEC 60317-35, DIN EN 60317-35,	
Production range	<b>Grade 1B</b>	0.30 0.40 0.50 0.63 0.70 0.80 1.00 1.20 1.40 1.60 1.80 mm
Insulation	Polyurethane with aliphatic polyamide bondcoat	
Features	Temperature index of 155, solderability at 390°C without removing the enamel coating, bonded under action of heat	
Applications	Used for self supporting coils, windings for deflection yokes, watchmaking, loudspeaker coils, small motors	

Typical values for FLS 155 dia 1,00 mm Grade 1B, testing according to IEC 60851.1...6

Mechanical properties	Overall diameter	max 1,091
	Flexibility	10% 1 d
	Elongation	³30 %
Thermal properties	Temperature index	155
	Cut through	³ 200°C
	Heat shock at 175°C	1xd
	Bonding temperature	170-200°C
	Resoftening temperature	155°C
Electrical properties	Breakdown voltage	> 1,5 IEC
	Tangent delta /TD 300/	³ 140
Chemical properties	Solderability at 390°C	8 s

