



Enamelled round Copper wire – IBERFIL BOND

IBERFIL		H TV	HC TV	HC AFVTV
Conductor		Copper ETP-1 ¹ (EN 13002)		
Thermal class		180	200	200
Insulation	Base coat	Polyesterimide	Polyester or Polyesterimide	Polyesterimide filled with nanoparticles
	Overcoat	-	Polyamideimide	Polyamideimide
	Top coat	Aromatic Polyamide ²	Aromatic Polyamide	Aromatic Polyamide
Standards		IEC 60317-37	IEC 60317-38	IEC 60317-38
		-	NEMA MW102	NEMA MW102
UL approval		-		
Production range	Grade 1	Ø 0,224 - 1,80	Ø 0,224 – 1,80	Ø 0,50 - 1,50
	Grade 2	Ø 0,224 - 1,80	Ø 0,224 – 1,80	Ø 0,50 - 1,50
	Grade 3	-	-	-
General properties		Self-bonding, bondable at 180°C-220°C. Reduced bonding time. Superior gliding surface. High filling factors. Very good resistance to chemical agents. Excellent resistance to mechanical stress.		
		High thermal resistance.	Very high thermal resistance.	Very high thermal resistance. Excellent corona effect resistance.
Typical applications		Drives for household appliances, pole windings, wire wound coils, power tools and electromagnetic components. Any application that requires avoiding impregnation baths.		
		Self-supporting coils, relays.	Inductors, yoke coils, small motors.	Inverter machines.
Packaging		Reels from DIN 200 to DIN 500. Conical reels from DIN 250/400 to DIN 500/800. Cover for reels from DIN 250/400 to DIN 500/800. For more details see http://www.acebsa.com/		

Notes:

- 1) Upon request, other quality standard may be supplied.
- 2) Upon request, aliphatic polyamide.