



A DIVISION OF SUPERIOR ESSEX

ESSEX ITALY S.P.A.

Via Circonvallazione, 2

15028 QUATTRODIO (AL)

SOCIETA' PER AZIONI A SOCIO UNICO

SOCIETA' SOGGETTA AD ATTIVATA' DI DIREZIONE

E COORDINAMENTO DA PARTE DI ESSEX S.A.S. FRANCIA

TECHNICAL DATA ENAMELLED COPPER WIRE

DESCRIPTION			MAGNEBOND CAB-200	MAGNETEMP CA-200
PRODUCT THERMAL INDEX	°C		H(180°C)	MAGNETEMP (200°C)
INTERNATIONAL STANDARDS		TS	TS8530	TS8533
		IEC	IEC 60317-38	IEC 60317-13/29
		DIN	EN 60317-38	EN 60317-13
		NEMA	MW 102	MW 73 - 35 - 36
OVER COATING			TRIPLE COATING	DOUBLE COATING
DIAMETER PRODUCED ROUND AND RECTANGULAR		BASE COAT	AROMATIC POLYAMIDE RESIN	POLYESTERIMID
		TOP COAT		POLYAMID-IMID
PRODUCTION RANGE	°C	GRADE 1-2	0,1MM - 1,600MM	0,1MM - 6,00MM
HEAT SHOCK	°C		> 220 °C 30 min	> 220 °C 30 min
CUT - THROUGH	°C		> 320 °C 2 min	> 320 °C 2 min
BREAK DOWN VOLTAGE	V		> 80 KV/mm	> 80 kV/mm
RESISTANT TO SOLVANT	H		-----	4 H
HEAT STRENGHT	°C		> 200 Temperature index	> 200 Temperature index
PROPERTIES			• High thermal strength	• High thermal strength
			• High mechanical strength	• High mechanical strength
			• High heat shock	• High heat shock
			• High voltage strength	• High voltage strength
			• Thermal stability	• good resistance to Freon
			• good resistance to Freon	• High friction strength
			• High friction strength	• Excellent windability
			• Easy winding	• Solvent and transformers lubricants strength
			• Solvent and transformers oil strength	
APPLICATION AREA			• All types electrical motors	• Dry type Electrical Transformers
			• Hermetic motors	• Hermetic motors
			• Generators	• Nuclear applications
			• Pumps	• High heat transformers
				• Solenoid, Electrovalves