COTOCABLE

TECHNICAL SHEET

200° ENAMELLED WIRE

APPLICATION FIELD:

Reactors, Motors, Hermetic Units

STANDARD COMPLIANCE:

THERMAL CLASS	H 200°
Base Insulation	Modified THEIC Polyester-imide
Overcoat	Polyamide-imide
Temperature Index (20,000 hours)	200°
Tangent Delta Intersection Point	200°C
Thermal Shock	220°C
Thermoplasticity	360°C
Breakdown Voltage	180 V/µm
Insulation Continuity	0 – 2
Flexibility and Adhesion	0.75
Bidirectional Abrasion	100
Unidirectional Abrasion	20 g/µm
Solvent Resistance	4 H
Winding Capability	Optimal
Humidity Resistance	Optimal
Transformer Oil Resistance	Optimal
Coolant Agent Resistance	Optimal
Styrene Resistance	Optimal
Solderability	-
Heat Adhesion	-
Softening Temperature	-

Standard	Code
IEC	60.317-13
U E - E	60.317-13

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TECHNICAL SHEET

Standard	Code
DI	46.416-7
EMA	MW-35 C
UTE	NF C - 31.663

CERTIFICATIONS:

UL – E-103536

DIAMETER RANGE:

Group	**Diameter Range (mm)**
G-1 mm	From 0.14 up to 4.00
G-2 mm	From 0.14 up to 4.00

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TECHNICAL SHEET

220° ENAMELLED WIRE

PROPERTIES:

Resistance to Very High Temperatures and Chemical Agents

THERMAL CLASS	H-220
Base Insulation	Polyamide-imide
Overcoat	Polyamide-imide
Temperature Index (20,000 hours)	220
Tangent Delta Intersection Point	260°C
Thermal Shock	260°C
Thermoplasticity	380°C
Breakdown Voltage	180 V/µm
Insulation Continuity	0 – 2
Flexibility and Adhesion	60%
Bidirectional Abrasion	100
Unidirectional Abrasion	20 g/µm
Solvent Resistance	4 H
Winding Capability	Optimal
Humidity Resistance	Optimal
Transformer Oil Resistance	Optimal
Coolant Agent Resistance	Optimal
Styrene Resistance	Optimal
Solderability	-
Heat Adhesion	-
Softening Temperature	-

APPLICATION FIELD:

Special Motors

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TECHNICAL SHEET

STANDARD COMPLIANCE:

Standard	Code
IEC	60.317-57
UNE - EN	60.317-57
DIN	-
NEMA	1000-81C
UTE	-

CERTIFICATIONS:

DIAMETER RANGE:

Group	**Diameter Range (mm)**
G-1 mm	0.20 – 1.00
G-2 mm	0.20 – 1.00

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TECHNICAL SHEET

ENAMELLED PLATE 200º

PROPERTIES:

Resistance to Very High Temperatures and Chemical Agents

THERMAL CLASS	H-200
Base Insulation	Modified THEIC Polyester-imide
Overcoat	Polyamide-imide
Temperature Index (20,000 hours)	200
Tangent Delta Intersection Point	200°C
Thermal Shock	220°C
Thermoplasticity	360°C
Breakdown Voltage	40 V/µm
Insulation Continuity	-
Flexibility and Adhesion	40%
Bidirectional Abrasion	-
Unidirectional Abrasion	-
Solvent Resistance	4 H
Winding Capability	Optimal
Humidity Resistance	Optimal
Transformer Oil Resistance	Good
Coolant Agent Resistance	Optimal
Styrene Resistance	Optimal

APPLICATION FIELD:

Special Motors

Standard	Code
IEC	60.317-29

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TECHNICAL SHEET

Standard	Code
UNE - EN	60.317-29
DIN	-
NEMA	MW-36 C

CERTIFICATIONS:

UL – E103536

STRIP SIZE RANGE:

Group	**Range (mm^2)**
Gr 1 mm	>2 mm^2 to 100 mm^2
Gr 2 mm	>2 mm^2 to 100 mm^2