



FIOS ESMALTADOS

INVETERM 200 - MW 74C

PRODUCT CONSTRUCTION



GENERAL INFORMATION

MAIN USES

- Alternators, ignition coils
- Electric tools
- Motors for home appliances
- Motors for vehicle wind wipers
- Hermetic motors
- Motors and high tension transformers
- Ballasts for fluorescent lamps

REFERENCES

Round MW-74C IEC-60317-42	Square and Rectangular -
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PROPERTIES

- Resistant to high temperatures and chemical agents
- Resistant to cooling fluids for hermetic purposes

AVAILABILITY

Round 04 to 34 AWG	Square and Rectangular -
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TYPICAL PROPERTIES

(This data is typical of 18 AWG copper, heavy build insulation only. It is not intended to be creating specification limits)

THERMAL PROPERTIES

Thermal Endurance (20000hs)

Specification: min - 200°C
Typical Values: 203°C

Thermoplastic Flow

Specification: min - 300°C
Typical Values: 360°C

Heat Shock

Specification: 20% - 3xØ - ½ h at 220°C - no cracks
Typical Values: No cracks

ELECTRICAL PROPERTIES

Dielectric Breakdown

Specification: min - 5700 V
Typical Values: 11500 V

Dielectric Strength at 200°C

Specification: min - 4275 V
Typical Values: 8500 V

High Voltage Continuity

Specification: 5 faults/100 feet - 1500 V
Typical Values: 0 faults/100 feet - 2500 V

MECHANICAL PROPERTIES

Mandrel flexibility after elongation

Specification: 20% - 3xØ no cracks
Typical Values: 20% - 2xØ no cracks

Unilateral Scrape (Avg. of 3 sides)

Specification: min - 980 g
Typical Values: 1400 g

CHEMICAL PROPERTIES

Retained Dielectric after 72 hrs exposure to R-22

Specification: min 5700 V
Typical Values: 10500 V

R-22 Extractable

Specification: max 0.25%
Typical Values: 0.17%

Resistance to solvents after 24 hrs

Specification: Xylene and 50/50
Xylene/Butyl Cellesolve
Typical Values: Pass

UL File #E86467