For more information or qoutes please click here or call us at 262-253-4180

High Temp Wire Overview

MGT 1000

Specifications

- **Certification:** UL/CSA - Industrial
- **Temperature Rating:** 450°C UL (non UL 538°C)
- **Voltage Rating:** 600V
- **Conductor:** 27% Nickel Plated Copper
- **Insulation:** Glass Reinforced Mica
- **Jacket:** Glass Braid

Typical Applications:

- Ovens
- Cooking Equipment
- Electric Heaters
- Iron Mills
- Steel Mills
- Glass Plants
- Cement Kilns

Description/Advantages

- High Temperature Lead Wire
- Rated at 1000°F
- 20-4/0 gauge
- Available 3 & 4 Conductor 16-12 gauge

MGT-A

Specifications

- **Certification:** UL/CSA - Industrial
- **Temperature Rating:** 450°C UL (non UL 538°C)
- **Voltage Rating:** 600V
- **Conductor:** Grade "A" Nickel
- **Insulation:** Glass Reinforced Mica
- **Jacket:** Glass Braid

Typical Applications:

- Ovens
- Cooking Equipment
- Electric Heaters
- Iron Mills
- Steel Mills
- Glass Plants
- Cement Kilns

Description/Advantages

- Grade "A" Nickel High Temperature Lead Wire
- Grade "A" nickel will withstand higher melt temperature and has better corrosion resistance.
- 18-10 gauge

TGGT

Specifications

- **Certification:** UL/CSA
- **Temperature Rating:** 250°C
- **Voltage Rating:** 600V
- **Conductor:** Nickel Plated Copper
- **Insulation:** Teflon, Double Fiberglass Wrap
- **Jacket:** Glass Braid

Typical Applications:

- Appliances
- Heat & Cooking Equipment
- Ovens
- Kilns
- Band, Strip & Cartridge Heaters
- Curing
- Drying Equipment

Description/Advantages

- High Temperature Appliance & Heater Element Lead Wire
- Reduced fraying as compared to others
- 18-4/0 gauge

Firezone 101C

Specifications

- **Certification:** UL
- **Temperature Rating:** 250°C/399°C
- **Voltage Rating:** 600V
- **Conductor:** Nickel Plated Copper
- **Insulation:** Teflon-Mica Tapes, Teflon Barrier
- **Jacket:** Teflon Coated Glass Braid

Typical Applications:

NOTE: Used in refineries, 60 minute circuit integrity under 2000°F flame test.

- Steel
- Iron & Paper Mills (Refineries)

Description/Advantages

- Fire, Moisture, Oil, Fluid, Abrasion Resistant Wire
- Abrasion; Moisture; Oil and Fluid Resistance; Circuit Integrity
- 16-10 gauge

SGI-250

Specifications

- **Certification:** UL 3257
- **Temperature Rating:** 250°C
- **Voltage Rating:** 10kV AC-25kV DC
- **Conductor:** Nickel Plated Copper
- **Insulation:** Silicone
- **Jacket:** Silicone

Typical Applications:

- Gas Igniter Systems for Furnaces
- Heating and Air Conditioning
- Water Heaters
- Oven
- Spark Igniter 250°C - 25 KV DC

Description/Advantages

- High Temperature, High Voltage Gas Igniter Lead Wire
- 18-14 gauge

UL1659

Specifications

- **Certification:** UL/CSA
- **Temperature Rating:** 250°C
- **Voltage Rating:** 600V
- **Conductor:** Nickel Plated Copper
- **Insulation:** TFE

Typical Applications:

- Oil Resistant
- Gas Resistant
- Moisture Resistant

Description/Advantages

- TFE - Teflon. High Temperature Heater Element Lead Wire
- 18-10 gauge

UL1199

Specifications

- **Certification:** UL/CSA
- **Temperature Rating:** 200°C
- **Voltage Rating:** 600V
- **Conductor:** Silver Plated Copper
- **Insulation:** TFE

Typical Applications:

- Oil Resistant
- Gas Resistant
- Moisture Resistant
- Acid Resistant

Description/Advantages

- TFE - Teflon. High Temperature Heater Element Lead Wire
- Easy handling & low friction
- 18-10 gauge

UL1180

Specifications

- **Certification:** UL/CSA
- **Temperature Rating:** 200°C
- **Voltage Rating:** 300V
- **Conductor:** Silver Plated Copper
- **Insulation:** TFE

Typical Applications:

- Oil Resistant
- Gas Resistant
- Moisture Resistant
- Acid Resistant

Description/Advantages

- TFE - Teflon. High Temperature Heater Element Lead Wire
- Easy handling & low friction
- 22-14 gauge

SRML

SRML, SF2 and SFF2 are similar. Please call to consult.

Specifications

- **Certification:** AIEE
- **Temperature Rating:** 200°C
- **Voltage Rating:** 600V
- **Conductor:** Tinned Copper
- **Insulation:** Silicone Rubber
- **Jacket:** Glass Braid

Typical Applications:

- Motors
- Transformers
- Appliances
- Lighting Fixtures
- Power Supplies

Description/Advantages

- High Temperature Silicone Rubber Motor Lead & Appliance Wire
- Very Flexible
- Moisture & Temperature Resistant
- Easy to Strip
- 16-4/0 gauge

SF2

SRML, SF2 and SFF2 are similar. Please call to consult.

Specifications

- **Certification:** UL/CSA
- **Temperature Rating:** 200°C
- **Voltage Rating:** 600V
- **Conductor:** Tinned Copper
- **Insulation:** Silicone Rubber
- **Jacket:** Glass Braid

Typical Applications:

- Motors
- Transformers
- Appliances
- Lighting Fixtures
- Power Supplies

Description/Advantages

- High Temperature Silicone Rubber Motor Lead & Appliance Wire
- Very Flexible
- Moisture & Temperature Resistant
- Easy to Strip
- Less strands of Copper than SFF2

SFF2 (150°)

SRML, SF2 and SFF2 are similar. Please call to consult.

Specifications

- **Certification:** UL/CSA
- **Temperature Rating:** 150°C
- **Voltage Rating:** 600V
- **Conductor:** Tinned Copper
- **Insulation:** Silicone Rubber
- **Jacket:** Glass Braid

Typical Applications:

- Motors
- Transformers
- Appliances
- Lighting Fixtures
- Power Supplies

Description/Advantages

- High Temperature Silicone Rubber Motor Lead & Appliance Wire
- Very Flexible
- Moisture & Temperature Resistant
- Easy to Strip
- More strands of Copper than SF2

SFF2 (200°)

SRML, SF2 and SFF2 are similar. Please call to consult.

Specifications

- **Certification:** UL/CSA
- **Temperature Rating:** 200°C
- **Voltage Rating:** 600V
- **Conductor:** Tinned Copper
- **Insulation:** Silicone Rubber
- **Jacket:** Glass Braid

Typical Applications:

- Motors
- Transformers
- Appliances
- Lighting Fixtures
- Power Supplies

Description/Advantages

- High Temperature Silicone Rubber Motor Lead & Appliance Wire
- Very Flexible
- Moisture & Temperature Resistant
- Easy to Strip
- More strands of Copper than SF2