

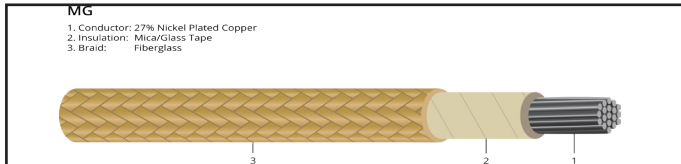


MGT LEAD WIRE 450°C 600V

UL: 5107 5335 (Appliance Wire Material) 

CSA: AWM I A/B FT-1 

PN: CA018DK601C-N000 Description: MGT 18(16)NC 600V 450C 5107 5335 NAT



Product Design:

- 1) **Conductor:** Stranded 27% Nickel plated copper per ASTM B355
- 2) **Insulation:** Mica/Glass Tape
- 3) **Braid:** Fiberglass braid finished with a PTFE dispersion
- 4) **Colors:** Stock colors NAT (Other colors on request)

Standards/Specifications:

- ASTM B355 Standard: Nickel coated Soft or Annealed Copper
- RoHS-3 Compliant with European Directive 2015/863
- UL approved as appliance wire per table below
- CSA approved as appliance wire per table below
- Passes VW-1 Flame Test (UL)
- Passes FT1 Flame Test (CSA)
- Passes 70,000 and 210,000 BTU/Hr Industry flame tests
- Passes modified 210,000 BTU/Hr flame test and maintains circuit integrity for 90 minutes

Applications:

Internal wiring of high temperature equipment. Can be used in appliances, electrical equipment, commercial cooking equipment that require a 450 °C temperature rating. Also used in industrial applications such as steel mills and glass factories in areas with high ambient temperatures.

Characteristics:

- suitable for use in environments from -80 °C to 450 °C
- Excellent flame resistance
- Excellent high temp resistance
- Produces minimal smoke
- Good chemical resistance

Part Number	AWG Size	Stranding (inches)	Insulation Wall (Inches)	OD (Inches)	Voltage Rating	Amp Rating
CA018DK601C-N000	18	16/.0100	0.027	0.113	600	29

UL Style/Type	CSA Style/Type	Temp Rating	Bend Radius (Inches)	Weight Lb/Kf
5107/5335	AWM I A/B FT-1	450°C	0.90	12

Ampacity is based on single conductor in free air with a 40°C ambient temperature.

Ampacity data is for reference only. Specific ampacity requirements must be determined by the end user based on the application