# MGG CABLES

Flexible High Temperature Cable, Temp Rating 450°C, 600V




Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Flexible stranded 27% nickel plated, annealed copper
2. **Insulation:** Phlogopite mica tape with fiberglass braid jacket
3. **Braid:** Fiberglass braid jacket
4. **Cabling:** Conductors are cabled with a left hand lay
5. **Jacket:** Fiberglass braid jacket is treated with a high temperature saturant

## APPLICATIONS AND FEATURES:

Used in wiring equipment that will be exposed to high temperatures. Flexible.

Excellent flame resistance. Can withstand up to 2400°F short term. Also available in Power and Instrumentation Cables.

## SPECIFICATIONS:

- UL 1277 Vertical Cable Tray Flame Tests (70,000 BTU/Hr)
- ICEA T-29-520 Flame Test (210,000 BTU/Hr)
- IEEE 383 Flame Test (70,000 btu)
- RoHS-3 Complies with European Directive 2015/863

### Table 1 – Weights and Measurements

| Stock Number | Cond. Size | Cond. Number | Approx. OD | Approx. Weight | Temp. Rating | Standard (UL or other) |
|---|---|---|---|---|---|---|
| | AWG/Kcmil | No. | inch | lb/1000ft | °C | Style/Type |
| C54430 | 12 | 12 | 0.700 | 393 | 450 | UL |

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item

### Table 2 – Weights and Measurements (Metric)

| Stock Number | Cond. Size | Cond. Number | Approx. OD | Approx. Weight | Temp. Rating | Standard (UL or other) |
|---|---|---|---|---|---|---|
| | AWG/Kcmil | No. | mm | kg/km | °C | Style/Type |
| C54430 | 12 | 12 | 17.78 | 585 | 450 | UL |