# TELCOFLEX®-G L6 Telecom Grounding Cable, Green

Green thermoset insulation, 90°C wet or dry continuous operating temperature, 130°C emergency, 250°C short circuit




Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Tinned copper Class K (10AWG), Class I (8 AWG & larger)
2. **Insulation:** Green thermoset insulation, 90°C wet or dry continuous operating temperature, 130°C emergency, 250°C short circuit

## APPLICATIONS AND FEATURES:

TELCOFLEX® -G L6 telecom grounding cable is suitable for use in conduit and underground duct. Sunlight and oil resistant. Maximum side wall pressure 500 Lbs./Ft. Suitable for DC and AC.

## SPECIFICATIONS:

- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- ASTM B172 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors
- UL 44 Thermoset-Insulated Wires and Cables
- ICEA S-95-658 (NEMA WC70) Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- RoHS-3 Complies with European Directive 2015/863
- ATIS 0600028.2021 List 6

## SAMPLE PRINT LEGEND:

SOUTHWIRE AIW™ CORD BRAND TELCOFLEX®-G VI / ATIS 0600028.2021 LEAD-FREE RoHS L6 (UL) E30117 SIZE AWG XXX STRAND CLASS I 600 VOLTS XHHW-2 SUNLIGHT RESISTANT GASOLINE AND OIL RESISTANT II SUITABLE FOR GROUNDING USE (YEAR) (TIME JULIAN DATE)

### Table 1 – Physical and Electrical Data

| Cond. Size | Cond. Strands | Diameter Over Cond. | Insul. Thickness | Approx. OD | Approx. Weight | DC Resistance @ 25°C | Min Bending Radius | Allowable Ampacity 75°C | Allowable Ampacity 90°C |
|---|---|---|---|---|---|---|---|---|---|
| AWG/ Kcmil | strands | inch | mil | inch | lb/1000ft | Ω/1000ft | inch | Amp | Amp |
| 10 | 26 | 0.125 | 30 | 0.191 | 40 | 1.081 | 0.8 | 35 | 40 |
| 8 | 41 | 0.145 | 45 | 0.241 | 66 | 0.679 | 1.0 | 50 | 55 |
| 6 | 65 | 0.186 | 45 | 0.276 | 99 | 0.435 | 1.1 | 65 | 75 |
| 4 | 105 | 0.235 | 45 | 0.331 | 155 | 0.274 | 1.3 | 85 | 95 |
| 2 | 168 | 0.290 | 45 | 0.405 | 227 | 0.172 | 1.6 | 115 | 130 |
| 1 | 161 | 0.300 | 55 | 0.416 | 242 | 0.137 | 1.7 | 130 | 145 |

All dimensions are nominal and subject to normal manufacturing tolerances

**Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com**

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◊ Cable marked with this symbol is a standard stock item
* Ampacity based on 310.15 (B) (16) allowable ampacities for not more than three current carrying conductors rated up to 2000 volts based on ambient temperature of 30 °C (86 °F).
** Class K Per ICEA S-75-381 NEMA WC 58 Portable and Power Feeder Cables.
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.


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