

ETFE 200°C 300V UL 10109

UL/CSA Approved Lead Wire, Temp Rating 200°C

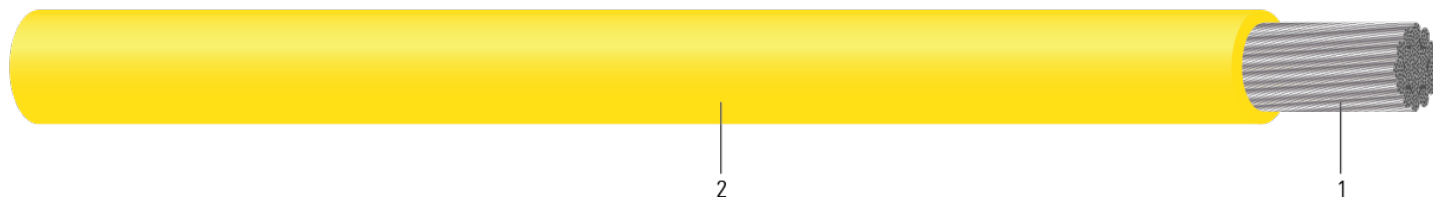


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Stranded tinned, annealed copper per ASTM B33
2. **Insulation:** Extruded ETFE fluoropolymer jacket

APPLICATIONS AND FEATURES:

Used for wiring of electric heaters, appliances, thermocouples, gas igniters, electrical and electronic components, and other products up to 200°C. Excellent chemical resistance, excellent resistance to fluids, and low coefficient of friction makes installation easier. Good mechanical strength. Available in all colors.

SPECIFICATIONS:

- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- UL AWM Appliance wire approvals as listed in Table 1
- RoHS-3 Complies with European Directive 2015/863



Table 1 – Weights and Measurements

| Stock Number | Cond. Size | Cond. Strands strand | Insul. Thickness mil | Approx. OD inch | Approx. Weight lb/1000ft | Temp. Rating °C | Standard (UL or other) Style/Type |
|--------------|------------|-------------------------|-------------------------|--------------------|-----------------------------|--------------------|--------------------------------------|
| | AWG/Kcmil | | | | | | |
| CZ243X | 24* | 7/.008 | 6 | 0.038 | 2 | 200 | 10109 |
| CZ223X | 22* | 7/.010 | 6 | 0.044 | 3 | 200 | 10109 |
| CZ203X | 20* | 7/.0126 | 6 | 0.052 | 4 | 200 | 10109 |
| CZ183A | 18 | 7/.0159 | 6 | 0.062 | 7 | 200 | 10109 |
| CZ163A | 16 | 7/.0192 | 8 | 0.072 | 9 | 200 | 10109 |
| CZ143A | 14 | 7/.0242 | 8 | 0.087 | 14 | 200 | 10109 |
| CZ123A | 12 | 19/.0179 | 10 | 0.115 | 23 | 200 | 10109 |
| CZ103A | 10 | 37/.0159 | 10 | 0.139 | 35 | 200 | 10109 |
| CZ083A | 8 | 54/.0179 | 25 | 0.220 | 65 | 200 | 10109 |
| CZ063A | 6 | 84/.0179 | 25 | 0.243 | 97 | 200 | 10109 |
| CZ043A | 4 | 133/.0177 | 25 | 0.319 | 150 | 200 | 10109 |
| CZ023A | 2 | 133/.0223 | 35 | 0.408 | 243 | 200 | 10109 |
| CZ013A | 1 | 259/.0177 | 35 | 0.451 | 303 | 200 | 10109 |
| CZ1T3A | 1/0 | 259/.0202 | 45 | 0.518 | 389 | 200 | 10109 |
| CZ2T3A | 2/0 | 259/.0229 | 45 | 0.571 | 484 | 200 | 10109 |
| CZ3T3A | 3/0 | 259/.0255 | 45 | 0.610 | 565 | 200 | 10109 |
| CZ4T3A | 4/0 | 259/.0286 | 45 | 0.695 | 726 | 200 | 10109 |

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

Dimensions and weights for other cable configurations are available upon request.

*NPC Conductor required for 200°C Rating

Table 2 – Weights and Measurements (Metric)

| Stock Number | Cond. Size | Cond. Strands strand | Insul. Thickness mm | Approx. OD mm | Approx. Weight kg/km | Temp. Rating °C | Standard (UL or other) Style/Type |
|--------------|------------|-------------------------|------------------------|------------------|-------------------------|--------------------|--------------------------------------|
| | AWG/Kcmil | | | | | | |
| CZ243X | 24* | 7/.008 | 0.15 | 0.97 | 3 | 200 | 10109 |
| CZ223X | 22* | 7/.010 | 0.15 | 1.12 | 4 | 200 | 10109 |
| CZ203X | 20* | 7/.0126 | 0.15 | 1.32 | 6 | 200 | 10109 |
| CZ183A | 18 | 7/.0159 | 0.15 | 1.57 | 10 | 200 | 10109 |
| CZ163A | 16 | 7/.0192 | 0.20 | 1.83 | 13 | 200 | 10109 |
| CZ143A | 14 | 7/.0242 | 0.20 | 2.21 | 21 | 200 | 10109 |
| CZ123A | 12 | 19/.0179 | 0.25 | 2.92 | 34 | 200 | 10109 |
| CZ103A | 10 | 37/.0159 | 0.25 | 3.53 | 52 | 200 | 10109 |
| CZ083A | 8 | 54/.0179 | 0.64 | 5.59 | 97 | 200 | 10109 |
| CZ063A | 6 | 84/.0179 | 0.64 | 6.17 | 144 | 200 | 10109 |
| CZ043A | 4 | 133/.0177 | 0.64 | 8.10 | 223 | 200 | 10109 |
| CZ023A | 2 | 133/.0223 | 0.89 | 10.36 | 362 | 200 | 10109 |
| CZ013A | 1 | 259/.0177 | 0.89 | 11.46 | 451 | 200 | 10109 |
| CZ1T3A | 1/0 | 259/.0202 | 1.14 | 13.16 | 579 | 200 | 10109 |
| CZ2T3A | 2/0 | 259/.0229 | 1.14 | 14.50 | 720 | 200 | 10109 |
| CZ3T3A | 3/0 | 259/.0255 | 1.14 | 15.49 | 841 | 200 | 10109 |
| CZ4T3A | 4/0 | 259/.0286 | 1.14 | 17.65 | 1080 | 200 | 10109 |

