



## FEP 200°C 300V UL 1332

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

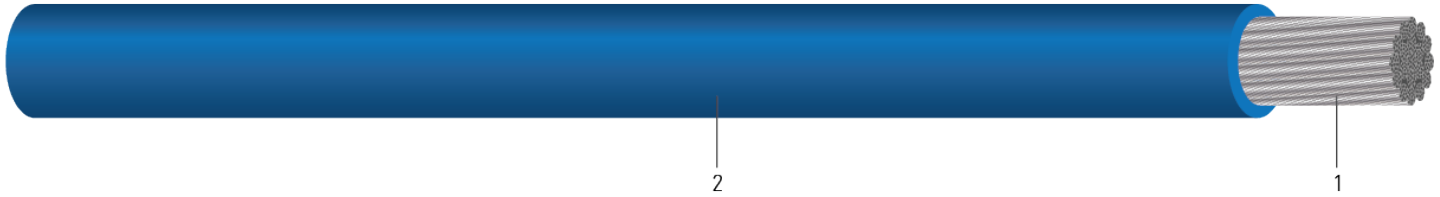


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

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

### APPLICATIONS AND FEATURES:

Used for wiring of electric heaters, appliances, thermocouples, gas igniters, electrical and electronic components, and other products that require a temperature rating up to 200° C.

Excellent chemical resistance, excellent resistance to fluids, and low coefficient of friction makes installation easier. Good mechanical strength. Flexible. 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
- CSA AWM I A/B 600 FT1 FT2
- RoHS-3 Complies with European Directive 2015/863





**Table 1 – Weights and Measurements**

| Stock Number | Cond. Size | Cond. Number | Cond. Strands | Insul. Thickness | Approx. OD | Approx. Weight | Temp. Rating | Standard (UL or other) |
|--------------|------------|--------------|---------------|------------------|------------|----------------|--------------|------------------------|
|              | AWG/Kcmil  | No.          | strand        | mil              | inch       | lb/1000ft      | °C           | Style/Type             |
| C3223Z       | 22*        | 2            | 7/.010        | 13               | 0.055      | 5              | 200          | 1332                   |
| C3243Z       | 24*        | 1            | 7/.008        | 13               | 0.060      | 4              | 200          | 1332                   |
| C3203Z       | 20*        | 3            | 7/.0126       | 13               | 0.065      | 7              | 200          | 1332                   |
| C3183A       | 18         | 4            | 7/.0159       | 13               | 0.075      | 9              | 200          | 1332                   |
| C3163A       | 16         | 5            | 7/.0192       | 13               | 0.085      | 12             | 200          | 1332                   |
| C3143A       | 14         | 6            | 7/.0242       | 13               | 0.095      | 16             | 200          | 1332                   |
| C3123A       | 12         | 7            | 19/.0179      | 13               | 0.115      | 23             | 200          | 1332                   |
| C3103A       | 10         | 8            | 37/.0159      | 13               | 0.145      | 33             | 200          | 1332                   |

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. Number | Cond. Strands | Insul. Thickness | Approx. OD | Approx. Weight | Temp. Rating | Standard (UL or other) |
|--------------|------------|--------------|---------------|------------------|------------|----------------|--------------|------------------------|
|              | AWG/Kcmil  | No.          | strand        | mm               | mm         | kg/km          | °C           | Style/Type             |
| C3223Z       | 22*        | 2            | 7/.010        | 0.33             | 1.40       | 7              | 200          | 1332                   |
| C3243Z       | 24*        | 1            | 7/.008        | 0.33             | 1.52       | 6              | 200          | 1332                   |
| C3203Z       | 20*        | 3            | 7/.0126       | 0.33             | 1.65       | 10             | 200          | 1332                   |
| C3183A       | 18         | 4            | 7/.0159       | 0.33             | 1.90       | 13             | 200          | 1332                   |
| C3163A       | 16         | 5            | 7/.0192       | 0.33             | 2.16       | 18             | 200          | 1332                   |
| C3143A       | 14         | 6            | 7/.0242       | 0.33             | 2.41       | 24             | 200          | 1332                   |
| C3123A       | 12         | 7            | 19/.0179      | 0.33             | 2.92       | 34             | 200          | 1332                   |
| C3103A       | 10         | 8            | 37/.0159      | 0.33             | 3.68       | 49             | 200          | 1332                   |

