

## PFA 250°C 600V UL Type PFAH

Flexible UL/NEC Approved Lead Wire, Temp Rating 250°C

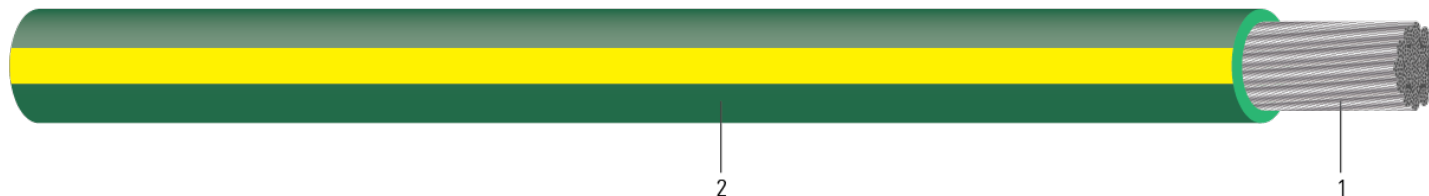


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

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

### APPLICATIONS AND FEATURES:

Dry locations only. Only for leads within apparatus or within raceways connected to apparatus (nickel or nickel-coated copper only).

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



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | [www.southwire.com](http://www.southwire.com)

Copyright © 2023 Southwire Company, LLC. All Rights Reserved



Southwire

**CABLETECH  
SUPPORT™**

Services

SPEC 42037 DATE: 06/03/2023 19:06 UTC Rev: 3.0.00M

**Table 1 – Weights and Measurements**

| Stock Number | Cond. Size<br>AWG/Kcmil | Cond. Strands<br>strand | Insul. Thickness<br>mil | Approx. OD<br>inch | Approx. Weight<br>lb/1000ft | Temp. Rating<br>°C | Standard (UL or other)<br>Style/Type |
|--------------|-------------------------|-------------------------|-------------------------|--------------------|-----------------------------|--------------------|--------------------------------------|
| CP146H       | 14                      | 19/.0147                | 20                      | 0.110              | 17                          | 250                | NEC Style PFAH                       |
| CP126H       | 12                      | 19/.0186                | 20                      | 0.130              | 25                          | 250                | NEC Style PFAH                       |
| CP106H       | 10                      | 37/.0159                | 20                      | 0.145              | 35                          | 250                | NEC Style PFAH                       |
| CP086H       | 8                       | 133/.0111               | 30                      | 0.230              | 70                          | 250                | NEC Style PFAH                       |
| CP066H       | 6                       | 133/.0141               | 30                      | 0.270              | 95                          | 250                | NEC Style PFAH                       |
| CP046H       | 4                       | 133/.0177               | 30                      | 0.325              | 160                         | 250                | NEC Style PFAH                       |
| CP026H       | 2                       | 133/.0223               | 30                      | 0.395              | 235                         | 250                | NEC Style PFAH                       |
| CP016H       | 1                       | 259/.0177               | 45                      | 0.470              | 320                         | 250                | NEC Style PFAH                       |
| CP1T6H       | 1/0                     | 259/.0202               | 45                      | 0.515              | 400                         | 250                | NEC Style PFAH                       |
| CP2T6H       | 2/0                     | 259/.0229               | 45                      | 0.570              | 495                         | 250                | NEC Style PFAH                       |
| CP3T6H       | 3/0                     | 259/.0255               | 45                      | 0.610              | 565                         | 250                | NEC Style PFAH                       |
| CP4T6H       | 4/0                     | 259/.0286               | 45                      | 0.690              | 730                         | 250                | NEC Style PFAH                       |

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.

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

| Stock Number | Cond. Size<br>AWG/Kcmil | Cond. Strands<br>strand | Insul. Thickness<br>mm | Approx. OD<br>mm | Approx. Weight<br>kg/km | Temp. Rating<br>°C | Standard (UL or other)<br>Style/Type |
|--------------|-------------------------|-------------------------|------------------------|------------------|-------------------------|--------------------|--------------------------------------|
| CP146H       | 14                      | 19/.0147                | 0.51                   | 2.79             | 25                      | 250                | NEC Style PFAH                       |
| CP126H       | 12                      | 19/.0186                | 0.51                   | 3.30             | 37                      | 250                | NEC Style PFAH                       |
| CP106H       | 10                      | 37/.0159                | 0.51                   | 3.68             | 52                      | 250                | NEC Style PFAH                       |
| CP086H       | 8                       | 133/.0111               | 0.76                   | 5.84             | 104                     | 250                | NEC Style PFAH                       |
| CP066H       | 6                       | 133/.0141               | 0.76                   | 6.86             | 141                     | 250                | NEC Style PFAH                       |
| CP046H       | 4                       | 133/.0177               | 0.76                   | 8.25             | 238                     | 250                | NEC Style PFAH                       |
| CP026H       | 2                       | 133/.0223               | 0.76                   | 10.03            | 350                     | 250                | NEC Style PFAH                       |
| CP016H       | 1                       | 259/.0177               | 1.14                   | 11.94            | 476                     | 250                | NEC Style PFAH                       |
| CP1T6H       | 1/0                     | 259/.0202               | 1.14                   | 13.08            | 595                     | 250                | NEC Style PFAH                       |
| CP2T6H       | 2/0                     | 259/.0229               | 1.14                   | 14.48            | 737                     | 250                | NEC Style PFAH                       |
| CP3T6H       | 3/0                     | 259/.0255               | 1.14                   | 15.49            | 841                     | 250                | NEC Style PFAH                       |
| CP4T6H       | 4/0                     | 259/.0286               | 1.14                   | 17.53            | 1086                    | 250                | NEC Style PFAH                       |

