

## RATINGS / APPROVALS

250°C – 300 Volts - UL Style 5180 / CSA AWM I A/B FTI

250°C – 600 Volts - UL Style 5127, 5196, 5251 / CSA AWM I A/B FTI

## CONSTRUCTION

### Conductors

24 AWG – 2 AWG (300 Volts)

24 AWG – 4/0 AWG (600 Volts)

Stranded or solid nickel-plated copper  
(Other conductor materials available)

### Insulating System

PTFE Tape with glass serve

### Outer Covering

Braided fiberglass with a high temperature finish

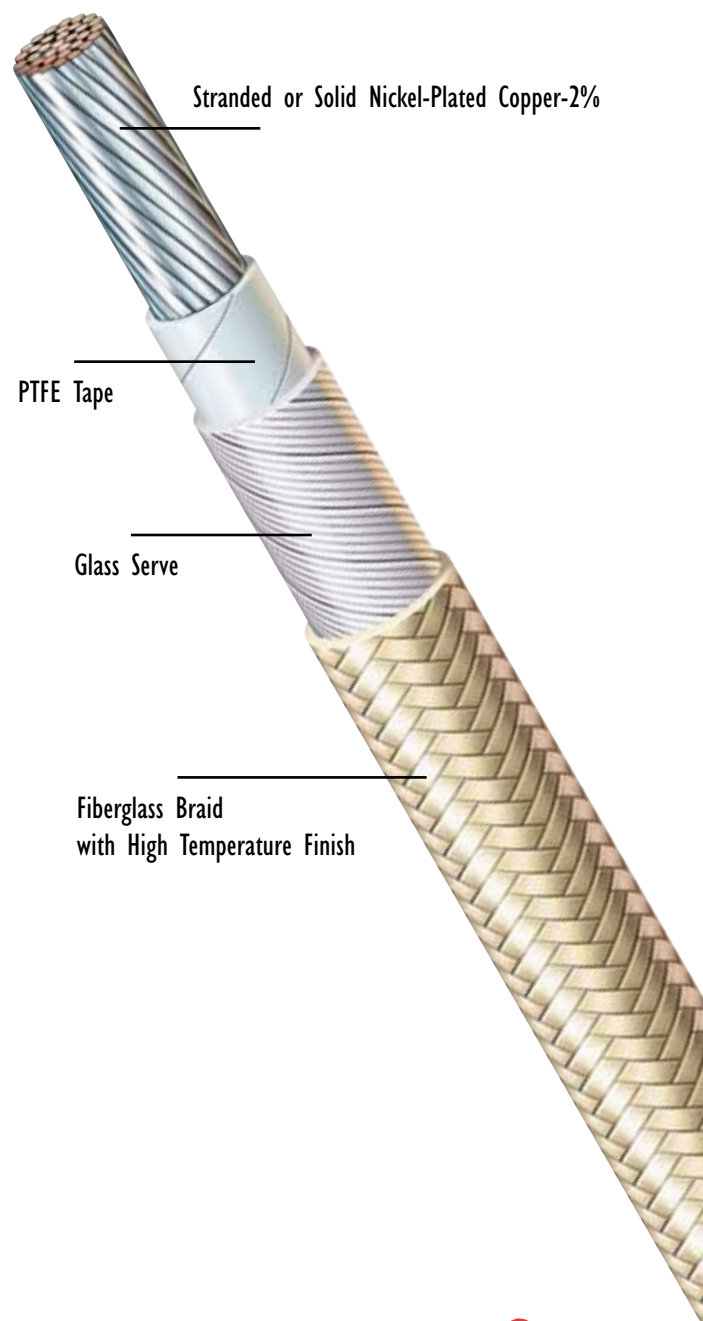
### Standard Color Coding

Natural and Solid Colors

Colored Tracers

## CHARACTERISTICS

- Tough treated outer glass braid and fiberglass servings permit the product to withstand repeated flexing and severe mechanical abuse.
- Moisture resistant.
- Resists pushback and braid fray.
- Flexible.



**Radix™**

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# SPECIFICATIONS

# TGGT 250 HIGH-TEMPERATURE LEAD WIRE

## TGGT 250C/300V

| Part No.  | Awg. Size | # Strands | Outer Dia. inches | Outer Dia. mm | Wgt. - lbs per 1000 ft. | Wgt - kg per km | UL   | CSA           |
|-----------|-----------|-----------|-------------------|---------------|-------------------------|-----------------|------|---------------|
| AAT22P007 | 22        | 7         | 0.077             | 1.96          | 5.34                    | 7.96            | 5180 | AWM I A/B FTI |
| AAT20P007 | 20        | 7         | 0.084             | 2.13          | 6.80                    | 10.13           | 5180 | AWM I A/B FTI |
| AAT18P019 | 18        | 19        | 0.089             | 2.26          | 8.82                    | 13.14           | 5180 | AWM I A/B FTI |
| AAT16P026 | 16        | 26        | 0.113             | 2.87          | 14.08                   | 20.98           | 5180 | AWM I A/B FTI |
| AAT14P041 | 14        | 41        | 0.126             | 3.20          | 19.80                   | 29.50           | 5180 | AWM I A/B FTI |
| AAT12P065 | 12        | 65        | 0.144             | 3.66          | 28.83                   | 42.96           | 5180 | AWM I A/B FTI |
| AAT10P105 | 10        | 105       | 0.169             | 4.29          | 42.90                   | 63.92           | 5180 | AWM I A/B FTI |

## TGGT 250C/600V

| Part No.  | Awg. Size | # Strands | Outer Dia. inches | Outer Dia. mm | Wgt. - lbs per 1000 ft. | Wgt - kg per km | UL             | CSA           |
|-----------|-----------|-----------|-------------------|---------------|-------------------------|-----------------|----------------|---------------|
| ART22P007 | 22        | 7         | 0.098             | 2.49          | 8.03                    | 11.94           | 5127/5196/5251 | AWM I A/B FTI |
| ART20P007 | 20        | 7         | 0.105             | 2.67          | 9.71                    | 14.45           | 5127/5196/5251 | AWM I A/B FTI |
| ART18P019 | 18        | 19        | 0.112             | 2.84          | 11.95                   | 17.78           | 5127/5196/5251 | AWM I A/B FTI |
| ART16P026 | 16        | 26        | 0.125             | 3.18          | 16.10                   | 23.96           | 5127/5196/5251 | AWM I A/B FTI |
| ART14P041 | 14        | 41        | 0.137             | 3.48          | 21.78                   | 32.41           | 5127/5196/5251 | AWM I A/B FTI |
| ART12P065 | 12        | 65        | 0.155             | 3.94          | 30.52                   | 45.42           | 5127/5196/5251 | AWM I A/B FTI |
| ART10P105 | 10        | 105       | 0.181             | 4.60          | 45.84                   | 68.22           | 5127/5196/5251 | AWM I A/B FTI |
| ART08P133 | 8         | 133       | 0.229             | 5.82          | 70.60                   | 105.07          | 5127/5196/5251 | AWM I A/B FTI |
| ARE06P133 | 6         | 133       | 0.294             | 7.47          | 114.20                  | 169.95          | 5196           | AWM I A/B FTI |
| ARE04P133 | 4         | 133       | 0.374             | 9.50          | 182.90                  | 272.19          | 5196           | AWM I A/B FTI |
| ARE02P133 | 2         | 133       | 0.443             | 11.25         | 272.10                  | 404.94          | 5196           | AWM I A/B FTI |
| AITX1P259 | 1/0       | 259       | 0.531             | 13.49         | 410.95                  | 611.59          | 5251           | AWM I A/B FTI |
| AITX2P259 | 2/0       | 259       | 0.582             | 14.78         | 506.05                  | 753.12          | 5251           | AWM I A/B FTI |
| AITX3P259 | 3/0       | 259       | 0.636             | 16.23         | 624.59                  | 929.53          | 5251           | AWM I A/B FTI |
| AITX4P259 | 4/0       | 259       | 0.702             | 17.83         | 770.66                  | 1146.92         | 5251           | AWM I A/B FTI |

Standard conductor: Nickel Plated Copper - 2%  
Consult factory for alternate conductor and stranding options.

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All dimensions listed above are nominal.  
Compliance: UL Listed File No. E22244 • CSA Certified File No. LL13427 or LL80670  
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