

## Teflon Wire 200°C 300V

### Product Description

- Tinned, bared, stranded or Solid copper Conductor, 36-18 AWG.
- ETFE Insulation.
- Rated temperature:200°C; Rated voltage: 300V.
- Resistant to heat 200°C, cold -80°C, abrasion, chemical solvent resistance, cut-through resistance, Oil resistance etc.
- Passes UL VW-1 Vertical Flame Test.

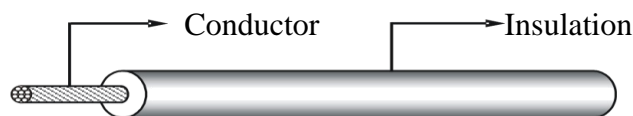
### Technical Specification

- Insulation Potential Strength: 2000 VAC/min
- UL Rated temperature: 200°C.
- Rated Voltage: 300 Volts.

### Applications

- Suitable for fixed internal wires of household appliance, headlamp, mechanical and electrical machine, etc.

### Structure & electrical properties



| UL10109    | Conductor |         | Insulation     | Overall Diameter (mm) | Tolerance (mm) | Maximum Conductor Resistance (Ω/km) | Permissible Current (A) |
|------------|-----------|---------|----------------|-----------------------|----------------|-------------------------------------|-------------------------|
|            | AWG       | No./mm  | Thickness (mm) |                       |                |                                     |                         |
| Stranded   | 36        | 7/0.050 | 0.15           | 0.45                  | ±0.05          | 1350                                | 0.8                     |
|            | 34        | 7/0.060 |                | 0.50                  |                | 728.5                               | 1.5                     |
|            | 32        | 7/0.080 |                | 0.55                  |                | 703                                 | 2                       |
|            | 30        | 7/0.100 |                | 0.60                  |                | 397                                 | 4                       |
|            | 28        | 7/0.127 |                | 0.70                  |                | 248                                 | 6                       |
|            | 26        | 7/0.160 |                | 0.80                  |                | 152                                 | 7                       |
|            | 24        | 7/0.200 |                | 0.90                  |                | 88.6                                | 10                      |
|            | 22        | 7/0.254 |                | 1.10                  |                | 62.5                                | 13                      |
|            | 20        | 7/0.320 |                | 1.30                  | 39.5           | 17                                  |                         |
|            | 18        | 7/0.400 |                | 1.55                  | 24.4           | 24                                  |                         |
| Solid (TA) | 36        | 1/0.127 | 0.15           | 0.45                  | ±0.05          | 1640                                | 0.8                     |
|            | 34        | 1/0.160 |                | 0.50                  |                | 857                                 | 1.5                     |
|            | 32        | 1/0.200 |                | 0.55                  |                | 575                                 | 2                       |
|            | 30        | 1/0.254 |                | 0.60                  |                | 377                                 | 4                       |
|            | 28        | 1/0.320 |                | 0.65                  |                | 232.1                               | 6                       |
|            | 26        | 1/0.404 |                | 0.75                  |                | 155                                 | 7                       |
|            | 24        | 1/0.500 |                | 0.85                  |                | 92.4                                | 10                      |
|            | 22        | 1/0.643 |                | 1.00                  |                | 60.1                                | 13                      |
|            | 20        | 1/0.813 |                | 1.15                  |                | 37.0                                | 17                      |