

Teflon Wire 105°C

Product Description

- Tinned, bared, stranded or Solid copper Conductor, 36-20 AWG.
- ETFE Insulation.
- Rated temperature:105°C; Rated voltage: Not specified.
- Resistant to heat 105°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: 500 VAC/min
- UL Rated temperature: 105°C.
- Rated Voltage: No regulations.
- Dimension Tolerance: ± 0.05 mm.

Applications

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

Structure & electrical properties



| UL 1516 | Conductor | | Insulation | Overall Diameter (mm) | Maximum Conductor Resistance (Ω/km) | Permissible Current (A) |
|------------|-----------|---------|----------------|-----------------------|-------------------------------------|-------------------------|
| | AWG | No./mm | Thickness (mm) | | | |
| Stranded | 36 | 7/0.050 | 0.10 | 0.40 | 1350 | 0.6 |
| | 34 | 7/0.060 | | 0.45 | 728.5 | 1.0 |
| | 32 | 7/0.080 | | 0.50 | 703 | 1.8 |
| | 30 | 7/0.100 | | 0.55 | 397 | 3 |
| | 28 | 7/0.127 | | 0.65 | 248 | 4 |
| | 26 | 7/0.160 | | 0.75 | 152 | 5 |
| | 24 | 7/0.200 | | 0.85 | 88.6 | 7 |
| | 22 | 7/0.254 | | 1.05 | 62.5 | 10 |
| Solid (TA) | 20 | 7/0.320 | | 1.20 | 39.5 | 13 |
| | 34 | 1/0.160 | | 0.42 | 857 | 1.0 |
| | 32 | 1/0.200 | | 0.46 | 575 | 1.8 |
| | 30 | 1/0.254 | | 0.51 | 377 | 3 |
| | 28 | 1/0.320 | | 0.58 | 232.1 | 4 |
| | 26 | 1/0.404 | | 0.66 | 155 | 5 |
| | 24 | 1/0.500 | | 0.77 | 92.4 | 7 |
| | 22 | 1/0.643 | 0.90 | 60.1 | 10 | |
| | 20 | 1/0.813 | 1.07 | 37.0 | 13 | |