

Teflon Wire 105°C

Technical Specification

Product Description

- Solid, Stranded, silver-plated or gold-plated copper Conductor, 36-6 AWG.
- FEP 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.

- Insulation Potential Strength: 2000 VAC/min
- UL Rated temperature: 105°C.
- Rated Voltage: No regulations.

Applications

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

Structure & electrical properties



UL 1371	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	0.14	0.45	±0.05	1350	0.6
	34	7/0.060		0.50		728.5	1.0
	32	7/0.080		0.55		703	1.8
	30	7/0.100		0.60		397	3
	28	7/0.127		0.70		248	4
	26	7/0.160		0.80		152	5
	24	7/0.200	0.90	88.6	7		
	22	7/0.254	0.20	1.10	±0.10	62.5	10
	20	7/0.320		1.30		39.5	13
	18	7/0.400		1.70		24.4	18
	16	7/0.500		2.00		15.6	24
	14	19/0.370		2.30		9.90	33
12	19/0.475	2.70		5.50		48	
Solid (TA)	32	1/0.200	0.14	0.53	±0.05	575	1.8
	30	1/0.254		0.55		377	3
	28	1/0.320		0.60		232.1	4
	26	1/0.404		0.70		155	5
	24	1/0.500		0.80		92.4	7
	22	1/0.643		0.95		60.1	10
	20	1/0.813	1.10	37.0	13		
	18	1/1.020	0.20	1.45	±0.10	21.8	18