

Irradiated XL-PVC Wire 105°C 600V

Product Description

- Solid or stranded, tinned or bare copper conductor, 30-10AWG.
- Lead Free XL-PVC Insulation.
- Rated temperature: 105°C; voltage: 600Volts.
- Passed UL VW-1, FT1 vertical flame test.
- Resistant to heat, cold, abrasion, tinned flexibility, Cut-through, oil, etc.

Technical Specification

- Insulation Potential Strength: 2500 VAC/min
- UL Rated temperature: 105°C.
- Rated Voltage: 600 Volts.

Applications

- For electric Cookers, Hair dryers, Incoming wires of transformer, Air-conditioners, Lights fixture, Electric ovens etc.

Structure & electrical properties



UL 1431 CSA AWM IA/B	Conductor		Insulation	Overall Diameter (mm)	Tolerance (mm)	Maximum Conductor Resistance (Ω/km)	Permitable Current (A)	
	AWG	No./mm	Thickness (mm)					
Stranded	26	7/0.160	0.76	2.08	±0.15	152.0	5	
	24	11/0.160		2.20		88.6	7	
	22	17/0.160		2.40		62.5	10	
	20	21/0.180		2.60	39.5	13		
	18	34/0.180		2.80	24.4	18		
	16	26/0.254		3.10	15.6	24		
	14	41/0.254		3.50	9.90	33		
	12	65/0.254		4.10	6.24	45		
10	105/0.254	5.10		4.15	58			
Top-Coated (ATC)	26	7/0.160		0.76	2.08	±0.15	152	5
	24	7/0.200			2.20		88.6	7
	22	7/0.254			2.40		62.5	10
	20	7/0.320			2.60		39.5	13
	18	7/0.400			2.80		2.44	18
Solid (TA)	26	1/0.404			0.76	1.95	±0.15	155
	24	1/0.511	2.15			92.4		7
	22	1/0.643	2.30			60.1		10
	20	1/0.813	2.45			37.0		13
	18	1/1.020	2.72			23.6		18