

**Irradiated Polyethylene Wire 105°C 30V****Product Description**

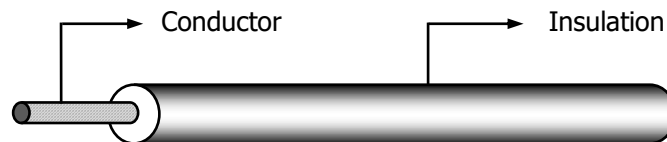
- Solid or stranded, tinned copper conductor, 40-10AWG.
- Rated temperature: 105°C; Rated voltage: 30Volts
- Non-PVC Insulation (XL-PE). Passed UL VW-1 Vertical flame test.
- Halogen free XL-PE insulation

**Technical Specification**

- Insulation Potential Strength: 500 VAC/min
- UL Rated temperature: 105°C.
- Rated Voltage: 30 Volts.
- Dimension Tolerance:  $\pm 0.10$  mm.

**Applications**

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

**Structure & electrical properties**

UL 3302	Conductor		Insulation	Overall Diameter (mm)	Maximum Conductor Resistance ( $\Omega$ /km)	Permissible Current (A)
	AWG	No./mm	Thickness (mm)			
Stranded	32	7/0.080	0.20	0.65	703	1.6
	30	7/0.100		0.70	397	3
	28	7/0.127		0.80	248	4
	26	7/0.160		0.90	152	5
	24	11/0.160		1.05	88.6	7
	22	17/0.160		1.20	62.5	10
	20	21/0.180		1.40	39.5	13
	18	34/0.180		1.70	24.4	18
Solid (TA)	30	1/0.254	0.65	377	3	
	28	1/0.320	0.75	232	4	
	26	1/0.404	0.85	155	5	
	24	1/0.500	0.95	92.4	7	
	22	1/0.643	1.10	60.1	10	
	20	1/0.813	1.25	37.0	13	
	18	1/1.020	1.45	22	18	