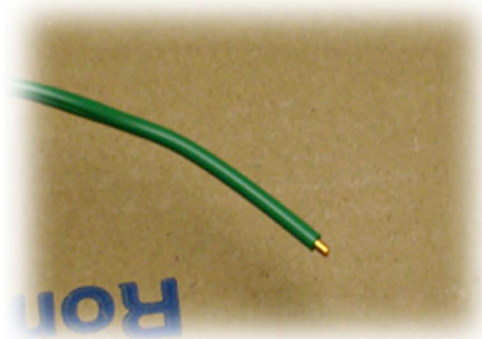




Insulated Ground Wire



Specifications: This specification describes single conductor general purpose wiring for lighting and power. The product is PVC insulated and dual rated as UL types TW and THW. It is intended for use in accordance with the National Electrical Code (NEC) in residential, commercial, and industrial applications not exceeding 600 volts and/or 75C in wet or dry locations.

- 1. Scope
 - A. Single conductor copper insulated with polyvinylchloride (PVC).
- 2. Standards:
 - A. Underwriters Lab standard 83 for thermoplastic insulated wires.
 - B. Underwriters Labs standard 1581 for wires, cable, and cords.
- 3. Conductor
 - A. The conductor shall be solid or stranded, tinned or bare soft annealed copper per ASTM B-3, B-8, B-33, UL 1581 and UL 83.
- 4. Insulation
 - A. The conductor shall be insulated with PVC complying with physical and electrical requirements of UL standards 83 and 1581
- 5. Identification
 - A. The wire shall be identified by surface marking indicating manufacturers identification, conductor size, voltage rating, and UL Type TW and Type THW designations.
- 6. Tests
 - A. The wire shall be tested in accordance with the requirements of UL standards 83 and 1581.

AWG Size	Wall Thickness	Solid Conductor Diameter	Strand Conductor Diameter	Ship Weight LBS/MFT
14	.030	.124	.133	19
12	.030	.141	.151	29
10	.030	.162	.176	43
8	.045	.219	.236	75
6	.060	.282	.304	118
4	.060	.324	.352	170
2	.060		.412	265
1/0	.080		.533	444