

TW 600V



Product Description

Annealed solid or stranded uncoated copper conductor insulated with PVC, providing an abrasion, flame retardant, moisture and oil resistant insulation. Conductor is surface printed.

Colors available upon request.

Application

General purpose wiring for residential, commercial, and industrial lighting and power application as specified by the National Electric Code (NEC). Suitable for use in wet or dry locations where maximum continuous conductor temperatures do not exceed 60° C and for circuits not exceeding 600 volts.

Product Data

Solid

Size (AWG)	Stranding	Insulation Thickness (Mils)	Nominal Diameter (inches)	Weight Per 1000 Ft. (lbs.)	Ampacity* 3 Cond. In Conduit	Ampacity* 1 Cond. In Free Air
14	SOLID	30	0.125	18	15	20
12	SOLID	30	0.145	26	20	25
10	SOLID	30	0.165	40	30	40
8	SOLID	45	0.2185	64.5	40	60
6	SOLID	60	0.2820	108.0	55	80

Stranded

Size (AWG)	Stranding	Insulation Thickness (mils.)	Nominal Diameter (inches)	Weight Per 1000 Ft. (lbs.)	Ampacity* 3 Cond. In Conduit	Ampacity* 1 Cond. In Free Air
10	7	30	0.176	42	30	40
8	7	45	0.236	68	40	60
6	7	60	0.305	110	55	80
4	7	60	0.352	162	70	105
2	7	60	0.41	245	95	140

+Per NEC Table 310-16

*Manufactured with pride in DeKalb, IL USA.

Specification Data

Underwriters Laboratories Standard 83 for Thermoplastic Insulated Wires

Federal Specification J-C-30

National Electric Code Article 130

ASTM B-3	Soft or annealed copper wire
ASTM B-8	Concentric lay stranded copperconductors