

Pipe Protection Products

THHN / THWN 600v

Solid & stranded

Application

General purpose, smallest diameter wire available for new construction or rewiring. Suitable for lighting and power in residential, commercial and industrial installations.

Description

Single conductor, bare copper, solid or stranded, polyvinyl chloride (pvc) insulation, overall jacket of polyamide nylon.

Specifications

UL listed, Standard 83. Conforms to Federal Specification JC-30-B, ANSI-C 33.80 and requirements of the National Electrical Code. Conductors meet ASTM B3, B8. It is listed by Underwriters' Laboratories for use at maximum voltage of 600 volts and maximum conductor temperature of 90°C in dry locations, 75°C in wet locations and 75°C when exposed to oil and gasoline in compliance with Underwriters' Laboratories Standard for Thermoplastic Insulated Wires. It is also recognized as type MTW rated 90°C when utilized with industrial machinery per Article 670. It is also recognized for use as appliance wire rated at 105°C in air and 60°C when exposed to oil. Sizes 14, 12 and 10 AWG are recognized for use as appliance wiring material rated 90°C and 1000 volts. Sizes 14 through 8 AWG stranded are also recognized for use Appliance Wiring Material (AWM) rated 90°C in dry locations, 60°C where exposed to oil or coolants per UL requirements and appliance wire rated at 105°C when exposed to oil and shall comply with the applicable UL requirements. Sizes 1/0 AWG and larger are listed for cable tray (CT). All sizes meet VW-1 Vertical Flame Test.

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Size AWG/MC M	Number Of Strands	Average Overall Diameter		Approx. Weight Lbs./Mft	Ampacity* Amps
		Inches	MM		
14	1	0.10	2.7	16	25
12	1	0.12	3.0	25	30
10	1	0.15	3.8	37	40
14	19	0.11	2.9	17	25
12	19	0.13	3.4	25	30
10	19	0.17	4.2	40	40
8	19	0.22	5.6	65	55
6	19	0.26	6.6	99	75
4	19	0.33	8.4	159	95
3	19	0.36	9.1	203	110
2	19	0.39	9.9	243	130
1	19	0.44	11.2	301	150
1/0	19	0.49	12.4	387	170
2/0	19	0.54	13.6	482	195
3/0	19	0.59	14.9	599	225
4/0	19	0.65	16.4	747	260

800 WRAP-A-PIPE

P.O. Box 2064 Huntington Beach CA 92647

714 897-0700 Fax 714 897-0600